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The CHEMIST AND DRUGGIST

Established 1859 28 Essex Street, Strand, London, W.C.2 *Registered as a Newspaper*

No. 2883
VOL. CXXII

MAY 11, 1935

Annual Subscription (with Diary) 20/- *Single Copies* 9*d.*

BISHOP'S ALL BRITISH

Granular Effervescent *Preparations*

★ CITRATE of MAGNESIA
★ VARALETTES
★ LIVER SALINE
★ LITMOPYRINE

TRADE ABL MARK

Alfred Bishop Ltd.

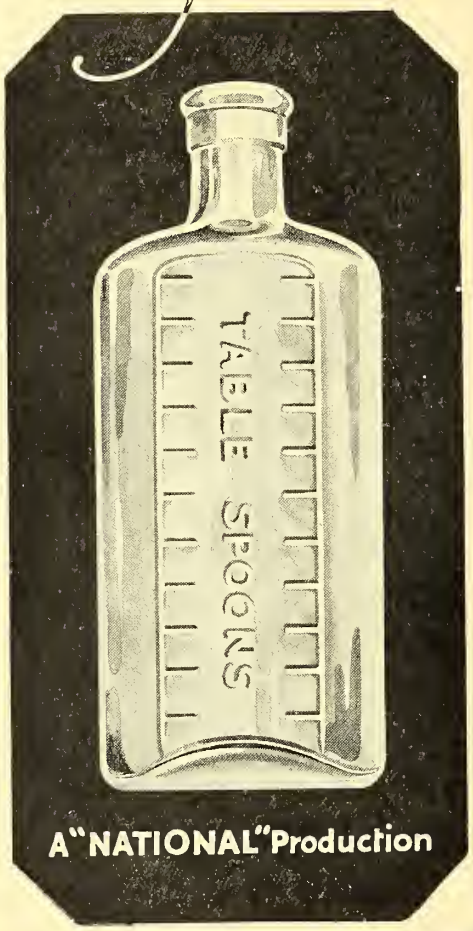
48 SPELMAN STREET, LONDON, E.1

Index to Advertisers, pp. 5 & 6.

"National"

Dispensing Bottles

are Strong, Serviceable and Suresealing.



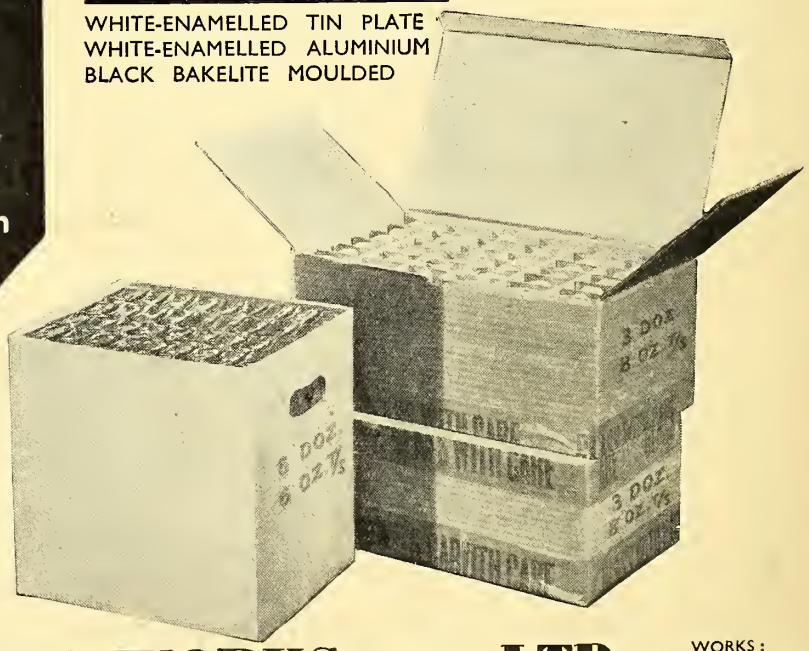
NEATLY PACKED IN 3 AND 6 DOZEN SIZE, NON-RETURNABLE CARTONS

★ CONVENIENT IN SIZE
★ EASY TO HANDLE
★ UNIFORM IN QUANTITY

CARTONS OF EITHER 3 or 6 doz. BOTTLES THROUGHOUT THE RANGE

ALSO
Cork mouth Bottles WASHED & PAPERED
Screw „ „ WASHED & CAPPED

SCREW CAPS SUPPLIED in
WHITE-ENAMELLED TIN PLATE
WHITE-ENAMELLED ALUMINIUM
BLACK BAKELITE MOULDED



May we advise Name and Address of your nearest "National" distributor?

NATIONAL GLASS WORKS (YORK) LTD. WORKS: FISHERGATE, YORK

'Phone: HOLborn 2146 **1 Charterhouse St., London, E.C.1**

(WHOLESALE ONLY)

Cream of Magnesia

★ Cream of Magnesia (Mistura Magnesii Hydroxidi B.P., U.S.P.X.) Pattinson's Brand consists of Magnesium Hydroxide in a state of almost perfect suspension in pure water.

* * *

★ It is prepared by an improved and patented process that ensures an absolutely pure product of regular composition, whilst viscosity can be varied to suit customers' requirements.

* * *

★ In addition to its virtues as an antacid, Pattinson's Brand Cream of Magnesia can be used as a mild laxative; it also makes an excellent mouth wash and liquid dentrifice.

* * *

★ It is supplied in carboys and in one gallon bottles. A 12 oz. sample bottle will be sent free, on request.

MAGNESIA

REGD TRADE MARK

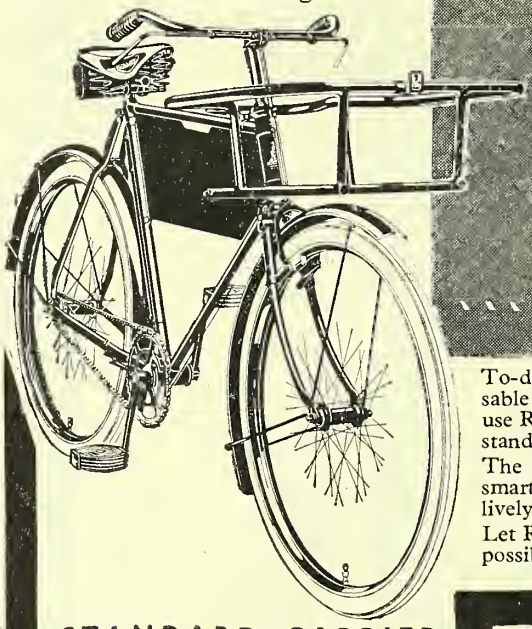
THE WASHINGTON CHEMICAL CO

BRANCH OF TURNER AND NEWALL LIMITED

Washington Station, Co. Durham. Telephone: Low Fell 76035. Telegrams: "Chemical Washington Station"

LET THE SMART RELIABLE RALEIGH RUN YOUR ERRANDS

... quicker... more economically



To-day, keen competition makes a really efficient delivery service more indispensable than ever. That's why you'll find the most progressive traders in the district use Raleigh Carriers. Raleigh Carriers run easily—reliably—carry heavy loads and stand up to irresponsible handling with absolute dependability year in—year out. The heavy chip-and-rust-proof enamelling gives Raleigh Carriers an assuring smartness—gives your customers an added confidence in your goods and a more lively incentive to deal with you.

Let Raleigh Carriers solve *your* delivery problems on the most economical basis possible. Write for full particulars of Raleigh Carriers.

STANDARD CARRIER

(22 inch Frame)

£6.19.6

(*Cash*)

or 12 monthly payments of 14/- (no deposit). Basket can be supplied at extra charge of 7/6.

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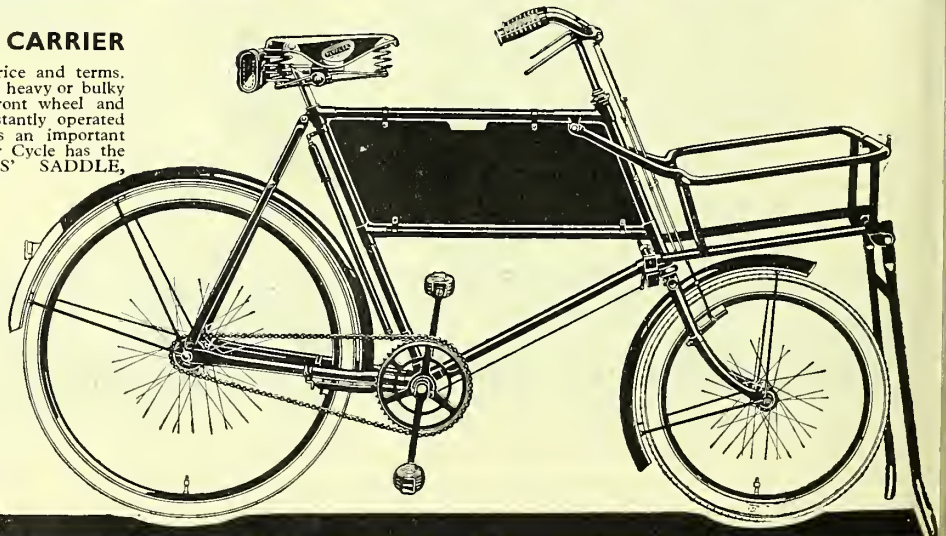
LOW GRAVITY CARRIER

(22" Frame). At the same price and terms. Specially designed for carrying heavy or bulky loads without skidding—20" front wheel and larger basket fitment. An instantly operated stand built into the carrier is an important feature. Every Raleigh Carrier Cycle has the finest equipment, BROOKS' SADDLE, DUNLOP TYRES, etc.



RALEIGH CYCLE CO. LTD., NOTTINGHAM

(Depots and Agents Everywhere)

The VIRILITY OF THE WILD

IS DUE TO PERFECT GLAND FUNCTIONING

JUVIGOLD

BRAND

DUCTLESS GLAND TONIC

P.A.T.A.

3/- 5/- 12/- 27/- 45/- 108/-

TESTIMONY FROM A CHEMIST

Dear Sirs,

I thank you for your letter and additional show cartons, and incidentally it may please you to learn I am personally interested in recommending Juvigold, inasmuch that I had two customers for whom I had prescribed Eastons Syrup; Damiana; Lecithin; Kola and other tonics without effect—but was successful with one 3/- bottle of Juvigold—this was before you embarked on your intensive advertising.

Yours faithfully,
T. T. (Llanelly)

USUAL WHOLESALER OR DIRECT

THE MIDDLESEX LABORATORY OF GLANDULAR RESEARCH LTD.

21 - FARRINGDON AVENUE - LONDON - E.C.4

TELEPHONE: CENTRAL 1901 TELEGRAMS: GLANDOC, LUD, LONDON

INDISPENSABLE DRUG TRADE LINES

BAN-ÆMIA—The Physicians' prescription for anæmia. The modern liver treatment. Full size bottle and literature on request.

JEF-O-MIL—An ideal combination of Malt Extract, Cod Liver Oil and Chemical Food. Palatable, readily assimilable.

MILLAMALT—The perfect vitamin Malt food. Most palatable, contains vitamins A, B, C and D in correct proportions.

JEF-O-HAL—Halibut Oil, Malt Extract. An excellent all-round tonic.

These are all super-quality malt products worthy of your careful attention and recommendation. Ask for samples and prices.

JEFFREYS MILLER & CO.

LIMITED

Leyland Mills, Wigan

TELEPHONE: WIGAN 2327 TELEGRAMS: MALTUM, WIGAN

73A DURHAM RD., HOLLOWAY, LONDON, N.7. PHONE: ARCHWAY 3627

STORES THE SUMMER'S SUN FOR WINTER

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[*Continued overleaf.*

Of great service to Dispensers

CORRUGATED CARTONS CONTAINING

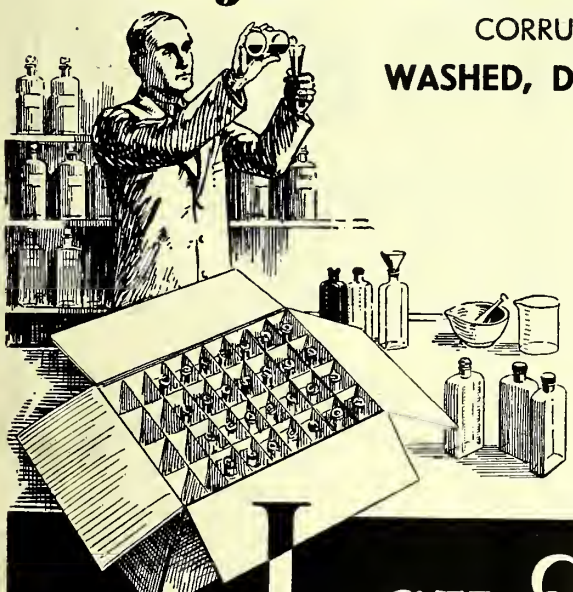
WASHED, DRIED AND PAPERED OR CAPPED MEDICAL BOTTLES

in the following sizes and quantities in non-returnable cartons.

6 doz. each 1 oz. and 2 oz.
4 doz. each 3 oz. and 4 oz.
3 doz. each 6 oz. and 8 oz.
2 doz. each 10 oz. and 12 oz.
1 doz. each 16 oz. and 20 oz.

We also supply Medical Flats in open corrugated Cartons as follows:

12 doz. 3 oz., 8 doz. 4 oz.
6 doz. each 6, 8, 10, 12 & 16 oz.



Three Factories:—
ALBERT
CLARENCE
DONISTHORPE

Lax & Shaw Ltd,
ALBERT GLASS WORKS, LEEDS. 10.
Telephone: 21568 (2 lines) Telegrams: "Feeders," Phone, Leeds

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The season's BEST seller—

'REMOGEN'

Vitamin Caramels

Halibut Liver Oil — Glucose — Malt Extract

These Caramels, besides being luscious and engaging, have an authoritative food value.

The Public want and will ask you for them.

DON'T FAIL YOUR CUSTOMER.

For all particulars stick your label on the attached coupon and post to :

C. TOLKIEN & CO. LIMITED

MALT EXTRACT MANUFACTURERS

SILSDEN · YORKS.

COUPON

Please send me all particulars of

REMOGEN VITAMIN CARAMELS

•

Next time the traveller calls . .

A traveller's responsibility ends and your risk begins—when he books your order. But if the traveller can promise regular advertising in "The RADIO TIMES," then you know he is backed by a good firm and so are you! For seven days of every week "The RADIO TIMES" is a non-stop salesman for you in 2,400,000 homes. It is worth displaying goods advertised in "The RADIO TIMES."

ask him if he is advertising in The RADIO TIMES

All enquiries in connection with advertisements should be addressed to the Advt. Manager, The B.B.C., Portland Place, W.1. 'Phone: Welbeck 4468

REDUCE THOSE COSTS .....

Compare the life with the cost of our

PUNCHES and DIES

FOR TABLET-MAKING MACHINES

PUNCHES & DIES SHOWING VARIOUS SHAPES AND SIZES

We believe we have the most up-to-date plant in the country for the manufacture of Punches and Dies. We make any size and shape for any make of Tablet Machine.

We have a unique experience in this class of work. Our punches and dies give long service at reasonable cost. We can engrave punches to give either raised or sunk wording for the same price.

We give a 'same day' service for refacing and polishing punches and dies at 1/- per punch.

Please write for full particulars

THOMPSON & CAPPER WHOLESALE LIMITED

MAKERS OF CHEMICAL & PHARMACEUTICAL MACHINERY

MANESTY BUILDINGS, 5 COLLEGE LANE, LIVERPOOL, 1

.....SAVE TIME AND LABOUR

ANTISEPTIC CREAM

FOR THE SKIN AND COMPLEXION

Invaluable during the Summer months for Soothing and Protecting the Skin, rendering it soft and supple. Useful either as a Day or Night Cream.

In white pots, with aluminium or bakelite caps, black and red labels.

1-oz. **8/6** per doz. pots. 2-oz. **15/-** per doz. pots. 4-oz. **25/-** per doz. pots.

New and Attractive Show Card FREE.

CHEMIST'S OWN NAME AND ADDRESS PRINTED FREE ON 3 DOZEN.

MANUFACTURED BY

C. J. HEWLETT & SON, LTD., 35/42 Charlotte St., London, E.C.2

It will pay you to buy DIRECT from the Manufacturers

Dania

REGD. BRAND

COMPRESSED TABLETS

If you are wanting any variety of compressed Tablets—true to formula—of the purest materials—finest finish and at lowest prices consistent with quality, then send an enquiry to :—

RICHARD DANIEL & SON, LIMITED

Phone • Derby 2222 (3 lines) • Grams • Dania, Derby • MANSFIELD Rd. DERBY •

MAKERS TO THE TRADE—ESTABLISHED 1860

Capitalise

this Summer Campaign by

KEEPING MOORLANDS WELL DISPLAYED

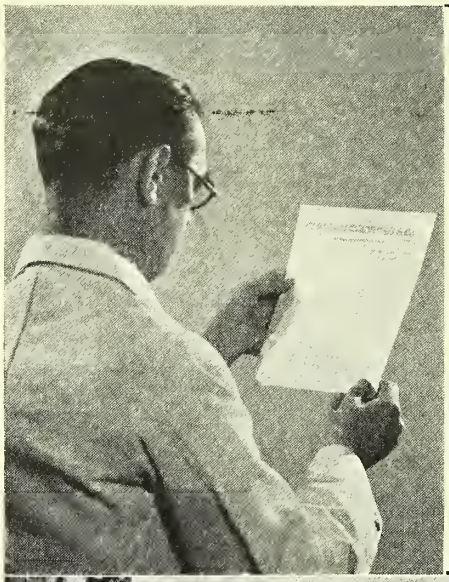
New advertising to suit the holiday season in the right holiday media—Daily Sketch, Radio Times, Sunday Pictorial, Illustrated Weeklies and Monthlies. Due to the cumulative effect of constant recommendation and consistent advertising, Moorlands are in greater demand than ever. Moreover no other 7½d. nationally advertised article sells in such quantity as Moorlands and yields anything approaching the same percentage of profit.

It pays to display Moorlands

THE PUBLIC WILL HAVE

MOORLAND BRAND INDIGESTION TABLETS

W. B. CARTWRIGHT, LTD., Rawdon, Leeds.



"WHEN THINGS are SLOW Make a MACLEAN SHOW"

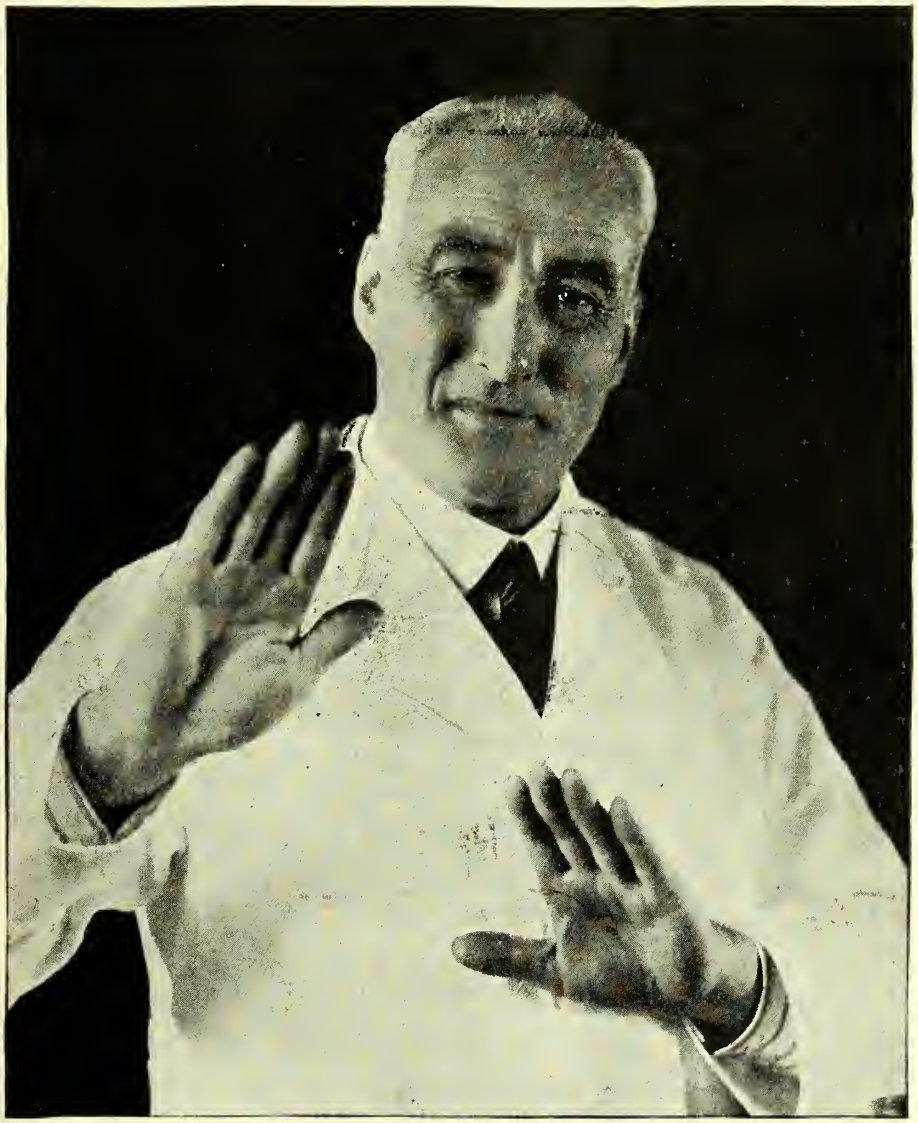
—writes the Managing Director of this successful firm of Retail Chemists.....

"I wish to write and say how pleased I am with my Macleans sales . . . . my sales have steadily increased for some time and I feel that it is due to your constant support with advertising and also to the interest I have in your lines . . . . You give the Chemists a square deal and it is up to them to give the fullest support to your lines . . . . . I always tell my chemist friends "When things are slow, make a Maclean show!"

another letter from a Maclean enthusiast

LET US HELP YOU WITH YOUR DISPLAY

Write to Macleans Ltd., Great West Road, Brentford, Middlesex



NO! IT PAYS ME TO BUY FROM MAW'S—THEY STILL GIVE A STRONG MEASURE OF PROTECTION

● ADVERTISEMENT OF S. MAW, SON & SONS, LTD.—SUNDRIES MANUFACTURERS AND SPECIALISTS OF REPUTE—7-12 ALDERSGATE STREET, LONDON, E.C.1

INDISPENSABLE

to all busy dispensers

ALL progressive chemists depend upon the U.G.B. washed and sterilized Bottle service, selecting as desired the Cork Mouth Service, or complete with either metal or Moulded Screw Caps. The unique U.G.B. process passes every single bottle through boiling distilled water and dries in super heated filtered air.

Dispensers everywhere have proved this an indispensable, labour-saving and economical proposition.

Packed in Sealed Non-Returnable Standardised Fibre Cartons in the Following Quantities Only.

1 oz.	Packed	2	gross per case
2 oz.	,,	1½	,, ,,
3 oz.	,,	1	,, ,,
4 oz.	,,	1	,, ,,
6 oz.	,,	6	dozen per case
8 oz.	,,	6	,, ,,
10 oz.	,,	4	,, ,,
12 oz.	,,	4	,, ,,
16 oz.	,,	4	,, ,,
20 oz.	,,	3	,, ,,

U.G.B.

MEDICAL BOTTLES

WASHED AND STERILIZED

UNITED GLASS BOTTLE MANUFACTURERS · LIMITED

40-43 NORFOLK STREET, STRAND, LONDON, W.C.2

Telephone: TEMPLE BAR : 6680 (10 lines)

Telegrams: "Unglaboman, Estrand, London."

INTRODUCING

the U.G.B. BOW MEDICAL

TO meet the growing demand for a distinctive U.G.B. bottle of very attractive appearance for general pharmacy packaging, we have laid down mould equipment for a full range of Bow shaped Medicals, one side panelled.

We are offering the same service as the U.G.B. Washed and Sterilized Medical and at the same price.

Stocks are now being manufactured and supplies of all sizes will shortly be available either fitted White Enamelled Screw Caps, or Black Moulded KORKALITE CAPS.

Packed in sealed non-returnable Standardized Fibre Cartons, in the same quantities as the U.G.B. standard medical.

In our WHITE ENAMELLED ALUMINIUM and MOULDED KORKALITE SCREW CAPS the composition cork wads are now faced with RESISTOL paper, which prevents the majority of liquids attacking the cork liner.

WASHED AND STERILIZED

U.G.B.
BOW MEDICAL

UNITED GLASS BOTTLE MANUFACTURERS · LIMITED

Telegrams: "UNGLABOMAN, ESTRAND, LONDON."
Telephone: TEMPLE BAR : 6680 (10 lines)

40-43 NORFOLK STREET, STRAND, LONDON, W.C.2
The Largest Manufacturers of Glass Bottles in Europe

I passed by your window...

BY LILLIAN S. DODGE
President of
HARRIET HUBBARD AYER
⊙
Beauty Preparations

Now please don't think I'm going to attempt to tell you how to dress your windows. I think chemists' windows are the best dressed of any, considering the huge stocks they have to carry. And so fascinating. But they don't always bear the woman's point of view in mind. (And this is where I come in.)

A display of good beauty preparations is a bait to any woman. Stop and stare she must—if only for a second. She may not be going to buy any—that doesn't matter. There are lots of other things you sell.

By this I mean that the woman who is attracted to your windows because she sees there a nice display of Harriet Hubbard Ayer preparations is all the more likely to come to you for her patent medicines, her prescriptions, her hot water bottle, her new toothbrush.

Sooner or later, too, she is sure to buy some of the Harriet Hubbard Ayer preparations. (Once again, this is where I come in.)

There is no question about it—the Harriet Hubbard Ayer preparations do almost *speak* quality and purity. After all, they have been in a dominating position for over a quarter of a century. In these days of chop and change that does suggest unusual merit.

The three most important preparations are the creams—Luxuria, Skin and Tissue Cream, Beautifying Face Cream. *Every* woman should use these *every* day. I suggest them as a minimum display.

If you care to get in touch with 130 Regent Street, the Harriet Hubbard Ayer London offices, every help in the way of showcards and so on will be given to you. I do hope you will write to us.

HARRIET HUBBARD AYER LTD.
Beauty Preparations
130 Regent Street London W1
NEW YORK · PARIS · MONTREAL

REID'S
Bamyl REGD.
PINE TAR SHAVING SOAP AND TOILET PRODUCTS
Plain and Mentholated

They are different — try them

Profit Margin **33⅓%**

BAMYL

		SELLING PRICE
Shaving Stick	(Bakelite container)	1/-
Shaving Stick	(Cardboard refill)	9d.
Shaving Stick "JUNIOR"		6d.
Shaving Cream	tube	1/-
Toilet Skin Soap	tablet	6d.
Liquid Shampoo	(Non-Spirit) bottle	1/-

Display Cases, Showcards, Pamphlets, Attractive Samples for distribution

SOLE MAKERS ESTAB. 1868

Thomas Reid & Sons Ltd., Glasgow

The Public are Calling
for
PETAL DUST

"Wherein the subtle savour of the Flowers sublimely dwells."

THE GREAT FLORAL AIR PURIFIER

A Trial will convince you that——

PETAL DUST, when once shown, creates its own demand, and is therefore a valuable adjunct to every "go-ahead" store.

PETAL DUST, when displayed prominently upon your counter, will attract prudent customers by the fragrance of its unique odour, which to-day is of such universal admiration.

Retails in packets at 4d. and 8d. each.
Attractive Advertising matter free on request.

Obtainable through all the usual Wholesale Houses or from Sole Producers :—

The Rosmarine Manufacturing Co.
LONDON, S.E.1.

By Appointment to H.M. The Queen

THE RESPONSE

HAS EXCEEDED ALL EXPECTATIONS

BEAUTY SECRETS FROM BOND STREET was announced to the Trade only a few weeks ago by illustrated Broadsheet containing a special Bonus Parcel Offer.

The response, in the form of requests for the Bonus Parcel, has exceeded all expectations, and Yardley are confident that the presentation of this New Series, backed by the full force of a National Advertising Campaign starting May 15th, will bring a vigorous demand from your customers.

THE BONUS OFFER of Beauty Secrets from Bond Street remains open for a limited period only. The parcel contains the essentials of the Beauty Secrets series (and a Beauty Box, included free) to the selling value of £6. 4s. 6d.; the Invoice value of this is £3. 13s. 11d., leaving a clear profit to you of £2. 10s. 7d.

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The Chemist's Dozen is again 14, the Chemist's Gross is 168 but . . . the offer only lasts till June 8th. That means you must order immediately to be on the safe side. *Memo.* Bigger advertising than ever.

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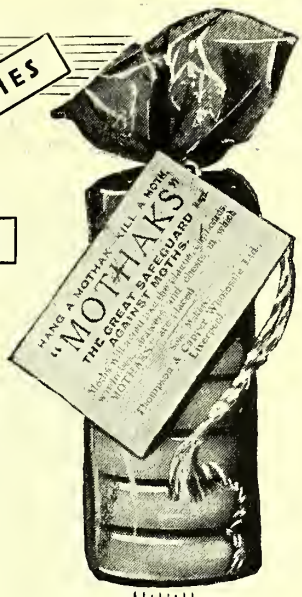

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Per dozen

Quick, clean, wasteless filling
OF LIQUIDS OR SEMI-LIQUIDS

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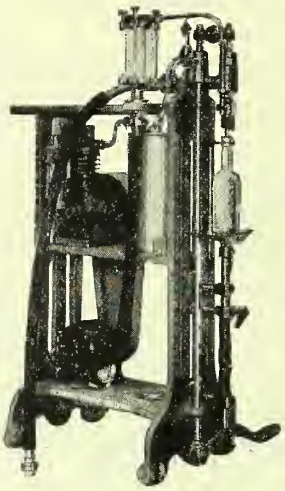

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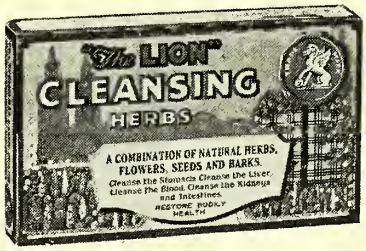

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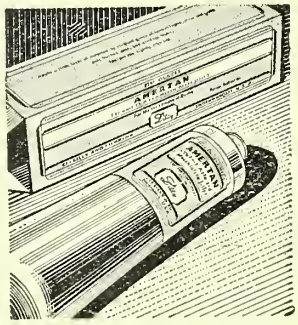

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THE
CHEMIST AND DRUGGIST
A Weekly Journal of Pharmacy, the Drug, Chemical and Allied Trades

The official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in Overseas Dominions

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VOL. 122. NO. 2883 MAY 11, 1935

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News of the Week

Key Industry Duties Committee

The Committee appointed to consider the position that will rise on the expiry, in August 1936, of the key industry duties ave commenced their sittings. Any representations which onsumers of articles or substances chargeable with key in-ustry duty may desire to make to the Committee relative o the duties should be addressed to the Secretary to the Com-nittee, Board of Trade, Great George Street, S.W.1, not later han May 23, 1935.

I.F.S. Official Import List

A revised Official Import List has been published by the tationery Office, Saorstát Eireann, giving particulars of the tes of duty chargeable on imports into the Irish Free State. he List contains full details of the tariffs in operation on hemicals, drugs, perfumery, dyes and colours, oils, fats, sins, gums, etc. Copies may be obtained, price sixpence, om the Government Publications Sale Office, 5 Nassau Street, ublin, C.2, or through any bookseller.

Glyn-Jones Memorial Fund

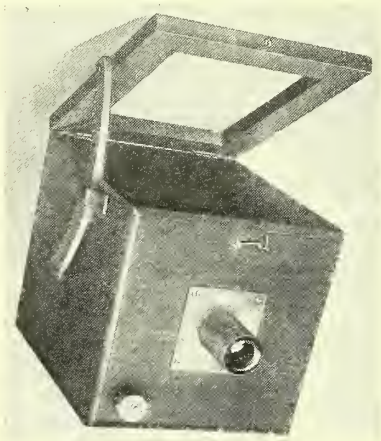
The trustees of the Glyn-Jones Memorial Fund (Messrs. . E. Chapman, D. Lloyd Howard, H. N. Linstead and G. A. allinson) have issued a report on the administration of the und since June 1933. The report states that the Fund was unded in November 1929 to give assistance towards the ucation and support of "necessitous young persons or phans connected with pharmacy" or to assist the higher armaceutical education of such students as are approved by e trustees. At their meeting in June 1933 the trustees made ants amounting to £561, to be paid over a period of two ars to eight students, and twenty-eight candidates were ommended to apply to the Fund again after passing the Preliminary Scientific examination. At their meeting on April 23, 1935, the trustees received a report on those students who have received assistance. (Details of six cases are given.) One of the objects of the Trust Fund is to further the higher pharmaceutical education of suitable candidates, and with this in mind the trustees made grants in two cases, particulars of which are given. The trustees express their gratitude to Miss Winch and Messrs. Wesley Croft, J. Hayhurst, J. Rutherford Hill, H. J. Kluge, J. Milner, J. Parry and L. Moreton Parry not only for acting as almoners on their behalf but for the practical interest they have taken in the students themselves. A statement of account of the Fund to December 31, 1934, is appended to the report. The annual income amounts to £200 a year.

The trustees of the Fund are now in a position to assist a limited number of applicants. Applications will be considered for grants towards school fees or maintenance, and applicants will be required to disclose their financial resources to the trustees, on the understanding that all such information will be treated as strictly confidential. Candidates should write for an application form to the Secretary, Glyn-Jones Memorial Fund Trustees, 17 Bloomsbury Square, London, W.C.1. No application will be considered after May 28, 1935.

The Royal Society

A conversazione took place at Burlington House, Piccadilly, Loudon, W.1, on May 3, when a number of interesting exhibits were on view. Under the auspices of the Science Museum photographs and apparatus of William Henry Fox Talbot, 1835-46, were shown. The exhibit included the earliest existing photograph (1835), "A Window in Lacock Abbey," together with two small box cameras used in the first experiments. Examples were also shown of early calotypes and of the cameras used in producing them. This exhibit included

also the Hooke microscope, dating from about 1675, and Hooke's compound microscope, the instrument exhibited being a full-size copy of the original compound microscope. Dr. J. R. Baker showed an apparatus for making stereoscopic photographs with the microscope. A special microscope stage was exhibited which enables the object to be rotated through 15°.



ONE OF THE EARLIEST TYPES OF CAMERA USED BY FOX-TALBOT IN HIS CALOTYPE PROCESS. Circa 1840.

(By courtesy of Miss M. T. TALBOT, O.B.E.)

Photographs taken before and after rotation form a stereoscopic pair. Chemical and biological relationships of soil micro-organisms were demonstrated by the Rothamsted Experimental Station. Mr. A. G. Lowndes showed a twin film polygraph and strobograph, an apparatus for the investigation of the very rapid spasmodic movements of small animals. Standard Telephones and Cables, Ltd., showed a cathode ray electro-cardiograph, which makes use of a cathode ray oscillograph having a fluorescent screen, giving a long after-glow as the recording element. The exhibit of The Forest Products Research Laboratory dealt with decay in timber in relation to rate of development of the death-watch beetle.

British Brush Manufacturers' Association

The British Brush Manufacturers' Association held a luncheon at the Trocadero Restaurant, Piccadilly Circus, London, W.1, on May 8. Mr. C. P. Robertson, the incoming president, suggested the formation of sections within the Association representing the various trade interests. Mr. A. W. Palmer, the retiring president, in reply, said the British brush-making industry was a very important one. He stressed the increasing difficulty of obtaining supplies of raw materials, and quoted figures to show that costs had gone up considerably. Mr. E. H. Matthew, a past-president of the Association, proposed the health of "The Visitors," to which Mr. Harold Macmillan, M.P., replied. Mr. Macmillan stressed the importance of trade organisations in the industrial life of the community and pointed out that trades should organise themselves before it was too late. Mr. T. Marson Till (secretary of the Association) then read a paper on "Trade Associations." Government and committees, said Mr. Till, give little consideration, these days, to industries that are not organised; in fact, they will not listen to individual manufacturers, and when labour is organised, as it is, employers must in their own interests be organised. Mr. Till pointed out the many advantages of the trade association of the brush industry. The power of an association, he continued, is in the number it represents. Every manufacturer should join his trade organisation. It was a short-sighted policy not to do so. He would like to see the day when it was made compulsory for every person to join his trade organisation before he was allowed to commence business. If an industry was considered sufficiently important to need a trade organisation, then it was up to everyone in that industry to help, not only by paying his subscriptions, but by bringing his quota of assistance to the discussions for the improvement of his trade. Mr. Harold Macmillan, invited to express his views on the paper, suggested that the discussion should turn on the question of whether or not the time had come at which it would be desirable to seek statutory powers to enforce their decisions, and after some discussion it was agreed that Mr. Till's paper should be circularised to members with a *résumé* of Mr. Macmillan's comments, and a special general meeting of all brush manufacturers be summoned to consider both.

This Year's Academy

Although there is no "problem picture" at the Royal Academy this year the recent controversy between Mr. Stanley Spencer and the authorities at Burlington House has concentrated attention on the three accepted pictures by Mr. Spencer. All three are oils, and the visitors express their feelings concerning "Scarecrow, Cookham," "Workmen in the House" and "Builders" according as their sympathies are pre-Raphaelite or otherwise. Whatever may be said of Mr. Spencer's ideas of form there can be no doubt of his ability to paint. In the course of a visit with the primary object of discovering something pharmaceutical, one finds nothing much among the oils beyond a number of portraits of scientists and medical men. These include "Professor J. Cunningham McLennan, D.Sc., F.R.S.," by Mr. Augustus John (288), "Sir James Crichton-Browne, F.R.S.," by Mr. Oswald Birley (314), "Sir George Newman, K.C.B.," by Miss Lindsay Williams (320), "G. F. Still, Esq., M.D., F.R.C.P.," by Gerald F. Kelly (429), and "Lt.-Col. C. T. Samman, R.A.M.C.," as president of the Society of Apothecaries, by F. W. Elwell (424). Among the oils are likewise an attractive portrait of "The Lady Melchett" by Mr. Glyn Philpot (39) and her husband—not as a director of Imperial Chemical Industries, but as Master of the Tedworth Hunt surrounded by the hounds (497). There is also a bronze statuette of Lord Melchett in the sculpture room. In the water-colour room there is a clever portrait in tempera of "Hugh McLean, M.D., D.Sc." (947), sitting by an open window with (presumably) a medical treatise in his hand. In the collection of miniatures will be found the "Portrait of a Surgeon" (1096) and "Sir John Thomson Walker, F.R.C.S." (1110), while the etchings include a likeness of the late Professor H. H. Turner, F.R.S. (1253). As usual the architecture room has several designs for hospitals, and one notable exhibit is a stained-glass window memorial of Dame Mary Scharlieb, M.D., for St. Mary's Magdalene, Osnaburgh Street, London. As a matter of fact, the sculpture will be found this year of most interest to the pharmacist, for in the lecture room he will see (besides the bust of Lord Melchett already mentioned) a posthumous bust of the late Lord Trent (better known as Sir Jesse Boot), which is part of a memorial erected by the City of Nottingham (1619). There also Mr. F. Mowbray Taubman (who has pharmaceutical connections) has a case of three medallions (1588) beautifully executed and well worthy of close inspection. The medallions are copper-silvered, and the central one is intended for the Poetry Society. Then on one of the special pedestals in the centre of the room there is an arresting bronze statuette group by Mr. Taubman entitled "The Dance" (1699), classical in design and beautiful in form. In the Central Hall a large figure attracts general attention. It is "Ex Tenebris Lux," designed by Mr. Ernest Gillick for the Birmingham Hospitals Centre.

Inquests

At Sheffield, Mr. Albert Graham, L.D.S., committed suicide by taking potassium cyanide while of unsound mind.

A verdict of "Suicide while of unsound mind" was recorded at a recent inquiry concerning the death of Mr. Albert G. Bullock, managing director of A. G. Bullock & Co., Ltd., Finchley Road, N.W.2, who was found dead in the shop. Death was stated to be due to poisoning by hydrocyanic acid. Mr. Alfred Elliott, chemist and druggist, the registered superintendent, gave evidence of having missed "dangerous" drugs from the stock.

Blackpool

The Blackpool Chemists' and Photographic Dealers Golfing Society held their first meeting on May 1 at the Squires Gate golf links for the Ucal trophy and replica. Over twenty members took out cards and spent an enjoyable time. The winner was Mr. E. Haworth with a score of 74. Messrs. W. Wolfe and F. Tattersall tied for second place with a score of 80. Other returns were as follows:—

W. T. Ellis	81	C. Cornforth	84
F. Dickenson	81	E. T. Douty	84
A. Barnes	83	F. Bartlett	86
V. Crook	84		

The next meeting will be held on May 29, at North Shore golf links. Golfers in the Fylde district should write to the secretary, 76 Victoria Road, Cleveleys.

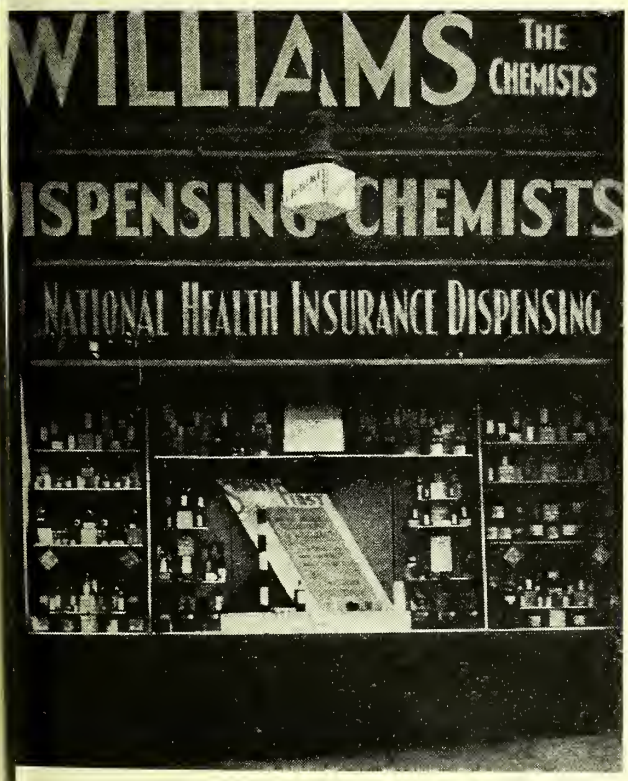
Bolton

On April 24 about sixty members of the Bolton and District Branch of the Pharmaceutical Society paid a visit to the Bolton Royal Infirmary. Among the departments visited were radiology, ultra-violet ray, the new dispensary and operating theatres. Much interest was displayed in the bacteriological and pathological laboratories as well as the demonstrations of radiant heat and ionisation. The visitors were conducted by Mr. G. Kemp, the head pharmacist, and other members of the staff.

Leamington

The Warwickshire Branch of the National Pharmaceutical Union met at Leamington on May 2. Replies from two firms as to their action in withdrawing articles from the P.A.T.A. Protected List were submitted, and the secretary was instructed to write explaining the Branch's attitude to any articles so withdrawn. The secretary was further instructed to write to another firm explaining that members of the Branch were pledged not to encourage the sale of proprietaries containing coupons for miscellaneous articles. It was decided to support such manufacturers as would agree to confine the sale of their proprietary articles to chemists only, and to require an agreement to that effect. The clearing house scheme, grocers' sale of chemists' proprietaries, N.H.I. prescriptions, the new Codex, memoranda on public medical services, and the Benevolent Fund were discussed.

Leeds



An Attractive Window at the Pharmacy of Mr. J. Williams, Beckett Street, Leeds
(Colour scheme: blue and white)

Liverpool

Mr. H. Humphreys Jones, principal of the Liverpool School Pharmacy, visited his native parish of Maenau, Llanrwst, May 4 and took part in the entertaining of the children his old school on the occasion of the Silver Jubilee.

A party of 100 members of the Liverpool Chemists' Associa-on paid a visit to the works of the Vinolia Co., Ltd., at ebington on May 1, on the invitation of Mr. Lawman, chair-an of the company. The party was escorted round the works Colonel Kemble and visited Bromborough Docks, the animal nutrition laboratories, glycerin refinery, oil mills, toilet soap department, perfumery laboratories, research department and the technical library. Before leaving, the party was entertained to tea at the Hulme Hall by the directors.

An address on "How the Pharmaceutical Society Council Functions" was given before members of the Old Students' Association of the Liverpool School of Pharmacy on May 2 by Mr. L. Moreton Parry, a member of the Society's Council. Mr. J. Butler presided. Mr. Parry said he would love to write the history of their Society and he believed no one was more qualified to do so than he, because years before he became a candidate for the Council he was a student of administration. In this connection he was helped by one of the finest students in the profession, the late Mr. Peter MacEwan, a former editor of The Chemist and Druggist. He was a veritable mine of information, and gave the speaker some insight into the minds of those men who had been cutting out a furrow for the pharmaceutical profession. This knowledge of things that had happened in the past had been of the greatest use to him ever since in serving the profession. The lecturer dealt *seriatim* with the work of the various committees of the Council. In regard to the Syllabus Committee he felt the new syllabus was an advance on anything they had had. He was proud of the work he had done on the Codex Revision Committee, and showed the audience a specially bound and inscribed copy presented to him in recognition.

Proposing a vote of thanks, Mr. G. L. Clubb (president of the Liverpool Chemists' Association) remarked that he was not altogether pleased with the way in which the financial statement of the Society was given. He referred particularly to the transfer of £18,000 to the Building Fund. He understood this included the profits received from sales of the Codex and a proportion of the amount received from students' examination fees. Seconding the vote, Mr. Kempster said that Mr. Parry had remarked about the mud being thrown at the Society, but they did nothing about the mud that was frequently slung by the coroners and others at inquests. Mr. John Rae supported the vote, and asked Mr. Parry why the Society had bought "Martindale." It seemed rather redundant, and it appeared to him that they were rather afraid of rivalry. Mr. H. Humphreys Jones remarked that in his day Mr. Parry was one of the firebrands of the Society—and the firebrands of to-day were nothing compared with the firebrands of those days. The Society had been well served by their Council, and Mr. Parry and others were trying to carry on the torch lit by their predecessors. Mr. Henriksen said, regarding the inclusion of physiology in the examinations, he rather thought there was a danger of the ordinary pharmacist using his little knowledge with dire results. He, as a hospital pharmacist, rather welcomed it for his particular branch of the profession.

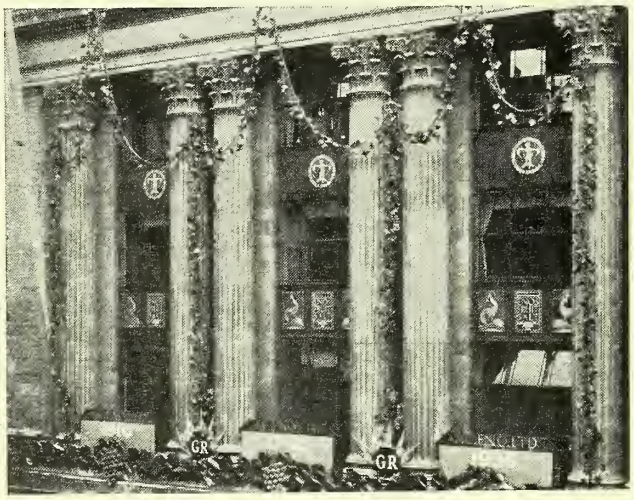
Mr. Parry, in the course of his reply, said he thought the Ph.C. examination was more particularly directed towards the hospital pharmacist, and it was a course which any man should be proud to have passed. Regarding Mr. Rae's query, "Martindale" had a market of its own among the medical profession generally. He agreed with Mr. Rae that it appeared to overlap the Codex, but there was a certain class of people who got the idea into their head that only one book could give them the information they desired. Regarding the question of coroners' inquiries, he assured Mr. Kempster that when a case like that came up it was very fully reported to the Society. They were proposing a subscription of 31s. 6d. If it were a guinea they would lose money, even with their increased membership.

London

A. W. Gamage, Ltd., Holborn, E.C.1, inform us that an order book containing forms "K41501-K41750" has been stolen from their premises; it is possible that orders on some of these forms may reach manufacturing and wholesale houses.

The annual meeting of the National Association of Women Pharmacists was held at 17 Bloomsbury Square on May 1, the president (Miss Hodgkinson) in the chair. In her address the president paid tribute to Mrs. Freke's work on the Council of the Pharmaceutical Society and her watchfulness over women's interests. The Committee of the Association had now prevailed upon Mrs. Irvine to stand for Council, and the president appealed to every member to do her utmost to secure Mrs. Irvine's return. The treasurer reported that the Association had balanced its budget. Votes of thanks to the auditors, Mrs. Worth and Mrs. Withrington, and to the scrutineers,

Misses Sproule and Killick, were proposed and seconded. As a result of a ballot for election there was one new member on the *Committee*, which now consists of Miss E. B. Blundell, Miss M. Currey, Mrs. Freke, Misses F. M. Harvey, G. Dennis Hayes, D. V. Head, G. Hindes, K. M. Hobling, E. Hodgkinson, Mrs. Irvine, Miss M. Islip, Mrs. Skinner and Miss E. M. Smelt. The president proposed an alteration in one of the rules of the Association so that members elected to the Committee would be elected for three years instead of two. This alteration was adopted. Miss A. Gilliatt (Mayor of Fulham) moved that a resolution supporting Mrs. Freke's action in pressing for the appointment of a woman invigilator should be sent to the Council. This was seconded by Miss Dennis Hayes and carried. Mrs. Skinner moved, and Mrs. Irvine seconded, a hearty vote of thanks to Miss Hodgkinson for taking the chair and for the work she had done for the Association during her two years as president. Mrs. Irvine addressed the meeting on her election policy. (See *C. & D.*, May 4, p. 534.) A vote of thanks to Mrs. Irvine was proposed by Miss Hindes.



THE SILVER JUBILEE DECORATIONS AT THE OFFICES OF J. C. ENO, LTD., 160 PICCADILLY, LONDON, W.1.

At West London Police Court, recently, Mark Davis, Wood Lane, W.12, and John Cook, Estcourt Road, S.W.6, were each fined 20s. for having sold "ordinary vinegar" as malt vinegar.

Sheffield

Public Assistance dispensing for 1934 comprised 142,840 prescriptions, costing £4,508 10s. 6d., compared with 115,000 prescriptions, costing £3,590, for 1933.

Miss Marjory Paton, daughter of the late Mr. R. A. Paton, chemist and druggist, Montgomery Road and South Street, has suddenly found herself Mayoress of Escourt, Natal, South Africa. Miss Paton is the only surviving relative of her uncle, Mr. J. W. Welsh, J.P., the mayor, and was paying an ordinary visit of six months.

Swansea

The annual meeting of the West Glamorgan Branch of the Pharmaceutical Society was held at Swansea recently, Mr. H. Wynne Jones in the chair. The chairman said that the coming year promised to be an important one, as pharmacists would probably be called upon to fulfil more fully their duties in connection with the public medical services. The following officers were elected for the ensuing year:—*President*, Mr. W. T. Davies (Fforestfach); *Vice-President*, Mr. I. D. Jones (Skewen); *Treasurer*, Mr. J. Rees (re-elected); *Secretary*, Mr. C. R. Dickens (re-elected); *Assistant Secretaries*, Messrs. H. M. Lynn and J. Williams (Neath); *Committee*, Messrs. J. S. Gilbert, J. H. Kent, T. G. Lawrence, D. I. Rees, W. Isaac, E. D. Smith, W. Glyn John, B. G. Lewis, W. J. Mill, W. J. Thomas and T. J. Morgan. The West Glamorgan silver cup was presented to Mr. T. Lewis, who had won it three times in the golf competition, by Mr. John Rees (director of I. Rowland James, Ltd.).

Miscellaneous

CLOSING ORDER.—Bootle Borough Council announces its intention to make a closing order for chemists' shops, fixing the hours as follows:—Monday, Tuesday, Thursday, 7 p.m.; Wednesday, 1 p.m.; Friday, Saturday, 8 p.m.

ANNUAL SERVICE.—The fourth annual service for the North Staffordshire Pharmaceutical Association was held at Forsbrook Parish Church on May 5, when Mr. W. Stanier (president) attended with about fifty members. The Vicar of Forsbrook (the Rev. E. W. Bridgwood) preached. In the course of his sermon he paid a tribute to the beneficent work of chemists.

Irish Notes

The Silver Jubilee

The Pharmaceutical Society of Northern Ireland sent the following message to the King through the Home Office on May 4:—

To His Majesty the King,

We the members of the Pharmaceutical Society of Northern Ireland humbly beg leave to offer to your Majesty and to her Majesty the Queen our heartfelt felicitations on attaining the twenty-fifth anniversary of your accession to the Throne. It gives us sincere satisfaction to offer our glad and willing homage to your Majesty and of assuring you of our continued loyalty to your Throne and we humbly pray for a continuance of your Majesty's wise rule.

FRED STOREY, President;
D. L. KIRKPATRICK, Secretary.

Dublin and Provincial Retail Drug Association

The movement initiated by the Dublin and Provincial Retail Drug Association to compile a register of approved manufacturers and wholesalers, who undertake to supply pharmaceutical lines only to legitimate chemists and druggists, continues to make progress. At the special committee meeting of the Association held on May 6, Mr. T. C. Scott (president) in the chair, the manufacturers of Mellin's Food, Stedman's Teething Powders and Butywave preparations wrote intimating that they readily gave the undertaking asked, and had instructed their Dublin agents accordingly. Letters were read from several other manufacturers, all of which were very favourable in tone, and were held over to have some outstanding points settled. In connection with the coming special general meeting of the Association it was decided to circulate the draft agenda among the members to have their views, and to consider the matter finally at a further meeting to be held on May 13, when the date and time of the meeting will be decided. Mr. Brendan Smith reported on a tour made during the week in the Midlands, during which additional members were obtained. Since the start of the reorganisation 120 new members, it was stated, had been obtained for the Association, and the percentage of chemists keeping open shop outside the D. and P.R.D.A. was now negligible. Regarding the issue of a new price list the Committee decided to invite tenders forthwith.

Brevities

Sir Thomas Robinson, M.C.P.S.I., inaugurated a new rotary club at Bangor, co. Down, on May 3.

Mr. J. S. Balmer Ph.C., and Mr. S. H. Forrest, Ph.C., have been elected select vestrymen of the parish of Bangor, co. Down.

At Tralee Circuit Court, recently, Mr. P. J. Morgan, Ph.C., Cahirciveen, was awarded £280 damages under the Damage to Property Act for damage to his house and £295 for damage to his stock and furniture.

At Coleraine Borough Council, on May 6, Alderman R. J. McCartney, Ph.C., seconded the resolution congratulating his Majesty the King on his Silver Jubilee. Alderman McCartney has been elected to the vestry of St. Patrick's, Coleraine.

Many pharmacies in Northern Ireland were gaily decorated for the Jubilee celebrations. In Belfast almost all were bright with flags and bunting, some of the displays being very effective. Jubilee day was observed as a holiday except for the sale of urgent medicines. The wholesale drug establishments were all closed for the day.

The passing of the carboy as a pharmacy emblem is deplored by "Quidnunc," the writer of the "Irishman's Diary" in the "Irish Times" recently. "Nowadays," he writes, ". . . the windows are principally devoted to displays of the latest preparations recommended by cosmeticians and beauticians for attaining and maintaining a supersynthetic complexion."

In a series of articles on "Working Women" the "Irish Press" published a four-column article on "Pharmacy for Women" by "A Woman Chemist" in the issue of April 27. The writer expresses the view that as the supply of pharmacists in the Free State is greater than the demand, "unless great care is taken the woman running her own pharmacy will find it neither profitable nor enjoyable." Posts in hospitals or dispensaries are mentioned as possible openings for lady chemists. "Many private employers," the writer adds, "do not look with favour on female chemists in doing their dispensing work, but this may be due to the fact that it is only in recent years that women in any number have entered the profession." Cosmetics and photography are mentioned as side-lines in which the lady chemist could usefully specialise. Her closing picture of the lady chemist's lot in the Free State to-day is none too roseate. "The hours worked in pharmacy," she concludes, "are too long. I have often wished to be free at 5.30 every evening like so many other girls that I meet. It is a very natural wish, and I have found that even when I am free I am too exhausted to have any desire to enter energetically into social life. Another point is that the examinations are extremely difficult. . . . One should analyse one's capabilities carefully beforehand. For those who would regard it merely as a passing stage I would advise them to leave it untouched."

Belfast

A meeting of the wholesale drug trade and local agents was held in the headquarters of the Pharmaceutical Society of Northern Ireland, Belfast, on May 3, in connection with the forthcoming visit of the British Pharmaceutical Conference. Mr. Fred Storey, chairman of the Local Committee, presided, gave an outline of the arrangements that have been made, and invited the co-operation of wholesalers and agents. This was promised, and already several subscriptions, including one of £100, have been received.

Scottish Notes

Brevities

T. & H. Smith, Ltd., manufacturing chemists, have contributed £10 10s. to King George's Jubilee Trust fund.

A correspondent (29/4) writes:—Variants of "M.P.S." recently observed on Scottish chemists' labels included M.P.Sc., M.Ph.Sc., M.P.S.Ed.

The death is announced of Sir James Walker, Emeritus Professor of Chemistry in Edinburgh University, well known for his work in the theory of solutions.

The following have been elected members of the Glasgow Pharmaceutical Committee for three years:—Harvey P. Arthur, John B. McVitae, Robert A. Couper, John Caldwell, Robert Dickson, Peter M. Duff, James C. Semple, Alexander MacSween, Hugh W. Thomas, John M. Anderson, William J. Moffatt, James W. Downe, David Duncan, Elizabeth Miller, George Adam.

Mr. Alexander John Dey, F.R.S.E., M.P.S., F.C.S., who has for many years been managing director of T. & H. Smith, Ltd., Blandfield Chemical Works, Edinburgh, has retired. Owing to indifferent health and advancing years he has felt it necessary to seek in retirement the rest and quiet denied to him in the midst of the ordinary routine of business life. To mark their esteem the staff at the Edinburgh works and warehouse, on the occasion of his retiral, presented to Mr. Dey a massive silver rose-bowl, suitably inscribed. His many pharmaceutical friends will associate themselves with the staff in their hope that in his retirement Mr. Dey may enjoy restored health and find renewed pleasure in those recreations in which he has long been interested.

Rose Bowl Presented to Mr. A. J. Dey, F.R.S.E.

Topical Reflections

By Xrayser

By the Time

these paragraphs appear in print there will be but a few days left in which members who have not yet recorded their votes for the election of seven members to the Council of the Pharmaceutical Society will be able to fill in their papers. As to those who have already voted, I can only hope that they have filled in their papers for the candidates who are likely to further the best interests of members; to those who have not—and I suspect that they run into a figure of some thousands—I earnestly appeal to vote. In many ways this election is the most momentous for a number of years, and its results will be anticipated with a degree of eagerness rarely exhibited, certainly not for a couple of decades. If a large vote is recorded and the result is unfavourable to the policies of the present Council, it will be taken as a warning that the members are not satisfied with the present state of affairs; if, through carelessness or indifference, the vote is a small one and all the retiring councillors are re-elected, the implication will be that the actions and policies of the present Council are approved. My fear is that through forgetfulness or something worse a large number will not take the trouble to record their votes.

The Meetings

of the Executive of the National Pharmaceutical Union usually provide subjects of outstanding, and often controversial, interest; and those reported on p. 549 of the *C. & D.* May 4 are no exception. The institution of the "Chemists' Friends" scheme and the supporting by the Executive of the "Out of Friends" scheme are decisions of outstanding importance, particularly because in the case of the former there is a period mentioned of fourteen years. Far be it from me to jeopardise the prospects of either, or both, by any remarks at this stage, but the suggestion of fourteen years leaves me gasping: with every good wish for the free and unfettered discussion of these subjects, I feel that the scheme will be still-born if such a period is insisted upon. Events now move so quickly that I do not believe any manufacturing firm of any standing would consent to be bound in this manner, although their sympathies may be to a great extent with the Executive of the Union. Before anything of importance can be accomplished it will be necessary to curb the activities of retail chemists who are selling their goods to various types of unqualified dealers. This is a task long overdue.

Your Remarks

on the reservation of dispensing in an editorial article (p. 544) embody ideas on the subject which I have always held. I believe that the number of pharmacists who would be prepared to vote for the restriction of dispensing to them, with all that this implies, would be comparatively small. A great percentage of retail chemists do not live over their shops, and attendance is given at stated hours on holidays and Sundays; this practice would have to be altered unless the patient were trained to knock up his chemist at his private house and accompany him to his shop for urgent medicine. The lock-up shop idea is certainly not one that would go with dispensing for the chemist only. Again, some dispensing does not pay, and presumably much would have to be done on the N.H.I. basis, in which case it would pay still less. We must take care to avoid grasping at what may turn out to be a shadow instead of a substance.

Legal Reports

Unstamped Medicines.—At the West London Police Court, on May 1, Mr. Willie Ellis, chemist and druggist, 113 Dawes Road, S.W.6, was summoned for selling proprietary medicines under the label of Fourees (EEEE) brand without Inland Revenue stamps. The offence was admitted. It was stated for the Commissioners of Customs and Excise that the summonses related to four preparations, two of which were sold at the defendant's shop at 113 Dawes Road and two at his branch. They were labelled respectively as "Kidney Mixture," "Herbal Catarrh Cure," "Children's Tonic" and "Cold and Influenza Mixture." When the defendant's attention was drawn to the matter he said he had been making the preparations for only a few weeks. He also said he had given orders to a printer for labels bearing the formulas. Mr. John MacMillan, for the defendant, said Mr. Ellis had unfortunately delayed securing printed labels disclosing the formulas and disclaiming proprietary rights. It was purely a matter of procrastination on his part. The magistrate said he was satisfied that Mr. Ellis had not deliberately defrauded the Revenue, and that it was simply a case of carelessness. He imposed a fine of 20s. on each of the four summonses, with £4 4s. costs.

Action Settled.—In the Chancery Division of the High Court, London, on May 2, Mr. Justice Crossman heard an action brought by Mr. Harold Henry Huffer against the Old Strand Chemical & Drug Co., Ltd., Ely Place, E.C.1, asking for the determination of his rights under an agreement with the defendant company of, or about, January 8, 1932, and the necessary accounts and inquiries to ascertain the company's liabilities to him. Mr. Berry appeared for the plaintiff, and Mr. P. Quass for the defendants. The plaintiff's case was that before December 1931 he had a valuable connection in the chemical and drug trade, and in January 1932 he entered into an arrangement to introduce it to the defendant company under which he was to be paid commission by way of a share of profits at certain rates. The contract was originally for a trial period of six months, but it was continued without any further terms being concluded down to 1934, when negotiations between the parties broke down. Mr. Huffer then applied for an account to be taken of what was due to him. Mr. Quass agreed that it was necessary that an account should be taken, and said the sole question was as to the terms on which it should be taken. The defendants alleged that the plaintiff had been overpaid. The plaintiff gave evidence in support of his case. After a consultation between the parties Mr. Berry announced that terms of settlement had been arrived at. There were, he said, extremely complicated factors in the case, and in view of the length of time which had elapsed and the complexity of any account which would have to be taken terms had been arrived at. His lordship said he was glad to hear this, because whatever view he had taken it would have involved the parties in a very expensive account. Mr. Quass said he did not think it was necessary to detail the terms of settlement arrived at. The plaintiff had agreed to withdraw his action, and the defendants would undertake to make an *ex gratia* payment to him of £50. Mr. Justice Crossman said that by consent there would be a stay of all further proceedings. He was sure the parties had saved themselves a great deal of trouble.

Gazette

Bankruptcy Acts

ADJUDICATION

BROOK, JESSIE A. (described in the Receiving Order as Ann Grey (a firm)), 3 Everton Road, Liverpool, manufacturer of toilet preparations and perfumes, under the styles of "Ann Grey" and "Buti Products Co."

A PROFESSIONAL WINDOW AT THE SHOP OF WILLIAM BLAIN & SONS, LTD., BOLTON, SHOWING, AMONG OTHER ITEMS, A MORTAR DERIVED FROM A CHURCH BELL

New Companies and Company News

P.C. means Private Company and R.O. Registered Office

EXE VALLEY CHEMISTS, LTD. (P.C.).—Capital £500. Objects: To carry on the business of chemists, druggists, opticians, etc. Solicitors: Orchard & Sons, 17 Castle Street, Exeter.

FENTON MANUFACTURING CO., LTD. (P.C.).—Capital £5,000. Objects: To carry on the business of manufacturers of and dealers in toilet requisites, powder puffs, etc. R.O.: 13 Bartlett's Buildings, Holborn Circus, E.C.4.

W. E. GAZE & SONS, LTD. (P.C.).—Capital £2,000. Objects: To acquire the business of a dispensing chemist carried on by W. E. Gaze at 10 The Avenue, and 27 Winchester Road, Highams Park, E.4.

J. A. JACKSON (LONDON), LTD. (P.C.).—Capital £2,000. Objects: To acquire the business carried on at 348 City Road, E.C., as "J. A. Jackson" and to carry on business in surgical and medical glassware and surgical appliances of all kinds, etc.

PURLEY PRODUCTS, LTD. (P.C.).—Capital £1,000. Objects: To acquire the business of a soap manufacturer carried on at Sanderstead Road, South Croydon, as "Purley Products," and to adopt an agreement with H. G. Hawkes.

BRITISH PHOTOGRAPHIC PLATES & PAPERS, LTD. (P.C.).—Capital £200,000. Objects: To acquire all or any part of the undertaking of British Photographic Plates & Papers, Ltd. (incorporated in 1918), etc. R.O.: 243 Winchester House, Old Broad Street, E.C.2.

DR. GILBERT'S BIOCHEMICALS, LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of importers and exporters of and dealers in all kinds of salts, alkalis and acids, antiseptics, etc. Henry Gilbert (permanent director and chairman), Scarborough House, Grantham.

ANALYTICAL & SYNTHETIC LABORATORIES, LTD. (P.C.).—Capital £600. Objects: To carry on the business of analytical and consulting chemists, manufacturers, importers and exporters of all chemical, metallurgical, pharmaceutical products, etc. R.O.: 5 Water Lane, E.C.3.

GIBBONS & SPIRES, LTD. (P.C.).—Capital £1,000. Objects: To acquire the business of chemical manufacturers now carried on (1) at Hanover Square, Newcastle-on-Tyne, as "The Northern Chemical Co.," and (2) at St. Lawrence Road, Newcastle-on-Tyne, as "Scott, Gibbons & Spires."

SOUTHERN CHEMICALS, LTD. (P.C.).—Registered in Dublin. Capital £10,000. Objects: To carry on the business of manufacturers of and dealers in chemicals of all kinds, etc. Timothy O'Hanrahan, 38 St Stephen's Green, N. Dublin, solicitor, subscriber. The first directors are not named.

CHIROPODY SUPPLY ASSOCIATION, LTD. (P.C.).—Registered in Edinburgh. Capital £1,350. Objects: To acquire the business of a supplier of chiropody goods now carried on by Thomas W. Swanson, trading as the "Chiropody Supply Association" at 57 Clerk Street, Edinburgh, and 217 Hope Street, Glasgow.

T. L. BULLOCK, LTD. (P.C.).—Capital £1,000. Objects: To acquire the businesses of (1) a chemist, druggist, herbalist and optician carried on by Thos. L. Bullock, senr., at 447 and 449 High Street North, Manor Park, Essex, and (2) an optician carried on by Thos. L. Bullock, jnr., at 247 High Road, Ilford.

PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD. (P.C.).—Capital £10,000. Objects: To carry on the business of manufacturing, wholesale, retail and analytical chemists, smelters and refiners of ores, manufacturers of and dealers in drugs and chemicals, etc. The first directors are to be appointed by the subscribers.

CHAS. F. THACKRAY, LTD. (P.C.).—Capital £75,000. Objects: To acquire the business of manufacturers of surgical instruments now carried on at Park Street and Great George Street, York, as "Chas. F. Thackray." The permanent directors are: Henry S. Wainwright, 10 The Drive, Roundhay, Leeds; Chas. N. Thackray, 22 The Drive, Leeds, 8; Wm. P. Thackray, "Midwood," Hodgson Crescent, Ring Road, Moortown; Wm. M. Gray, Lancaster House, Park Lane, Roundhay, Leeds.

BOOTS PURE DRUG COMPANY, LTD.—The directors announce that, subject to audit, net profits for the year ended March 31 amounted to £750,036 18s. 6d., as against £744,865 19s. 9d. for the preceding year. In addition to the four interim dividends already paid amounting to 24 per cent., less tax, a bonus of 3d. per share (or 5 per cent.), free of tax, will be paid to shareholders registered in the books on May 2. This is the same distribution as paid for the past six years.

HODDERS, LTD.—The report for 1934 states that the financial position of the company has greatly improved. Early in 1933 a capital reorganisation scheme was carried through whereby the arrears of preference dividend up to December 31, 1933, were cancelled. Profits for the year were £5,181 (against £6,125, which included a non-recurring bonus from subsidiary company of £2,000). With £10,370 brought forward there is available £15,551. It is proposed to pay on May 21 a dividend for the year on the 6 per cent. cumulative preference shares which will absorb £6,751, leaving a balance of £8,800 to be carried forward. Meeting, May 14.

ENO PROPRIETARIES, LTD.—The accounts from September 25 to December 31, 1934, show that dividends amounting to £46,684 were declared by the subsidiaries and were received or receivable by the new parent company out of profits of the subsidiaries earned in 1934 and apportioned to the period covered by the present accounts. It is only such dividends which can be treated as revenue for dividend purposes by the parent company. The profit and loss account shows an amount of £150,000 representing dividends declared by the subsidiaries out of "pre-acquisition reserves." The pre-acquisition reserves of the subsidiary companies consist of the undistributed reserves and profits existing at September 25, 1934. This amount of £150,000, representing part of the pre-acquisition reserves, has been credited to a capital reserve account. The directors propose that the profit, £33,589, should be carried forward. In view of this carry-forward and of the profits which have already been earned during the current year the directors propose to declare a first interim dividend of 4 per cent., less income tax, on the ordinary shares, payable on June 4 next. Providing that trading conditions permit, the directors hope at a later period to distribute a second interim dividend so as to avoid undue delay before the ordinary shareholders receive their final dividend in respect of the year 1935. Meeting, May 30.

Bankruptcy Reports

Re John Davies, 29 Canon Street, Aberdare, Glamorganshire, chemist and druggist. The public examination herein was held recently at the Police Court, Aberdare. Debtor had returned a statement of affairs which disclosed a deficiency of £1,370. He said that he owed his sister £970. He commenced trading as a chemist in 1921 with a capital of £70. The examination was closed.

Re Frank William Guy Cue, trading as "Bridgford Health Food Stores," 5 Loughborough Road, West Bridgford, Notts. The public examination in this matter was held recently at the County Court House, Nottingham. Debtor said his failure was due to ill-health of his family, bad trading and the position of his shop. The statement of affairs showed a deficiency of £161 13s. 9d. The examination was concluded.

Re Sydney Herbert Palin, 21 Albany Road, Rock Ferry, Cheshire, pharmaceutical chemist. The public examination was held recently at the Court House, Birkenhead. Debtor had filed a statement of affairs showing unsecured liabilities of £169, with estimated assets of £63. In reply to the Official Receiver, he stated he commenced business in August 1931. He obtained stock on credit to the value of £240, and used his capital to acquire fixtures and fittings. For some time the turnover averaged £17 a week, which provided between £2 and £3 weekly for living expenses. In June 1932 debtor arranged to purchase the premises for £1,300. Creditors had pressed, and in some instances judgment was obtained and execution levied. The examination was closed.

Therapeutic Substances Regulations

DRAFT Regulations under the Therapeutic Substances Act, 1925, dated April 26, have been issued (price 3d.) by the Stationery Office. Part I of the draft Schedule is to be added to Part II of the Second Schedule of the principal Regulations. Part II of the draft Schedule is to be added to Part IV of the Second Schedule. Part III of the draft Schedule is to be substituted for Part II (B) of the Second Schedule.

Part I

Provisions applicable to Staphylococcus Toxoid

1. Staphylococcus Toxoid is staphylococcus toxin (the sterile filtrate from a culture on a suitable medium of a toxigenic strain of *staphylococcus*), the specific toxicity of which has been reduced to a low value by the action of chemical substances in such a manner that it retains efficient properties as an immunising antigen. Its proper name is "Staphylococcus Toxoid."

Staphylococcus Toxoid may be issued either—

(*a*) undiluted; or

(*b*) already diluted with an appropriate saline solution to the strength suitable for injection.

2. The label on the container shall indicate the dose, or doses, appropriate for administration at one injection to a human subject.

[Tests are prescribed.]

Part II

Provisions applicable to Antipneumococcus Serum (Type I)

1. Antipneumococcus Serum (Type I) is the serum, or the globulins containing the specific immune substances, separated from the blood of animals which have been immunised against cultures of a pneumococcus (*Diplococcus pneumoniæ*) of the variety known as Type I. The proper name of the substance is "Antipneumococcus Serum (Type I)."

2. The standard preparation is a quantity of dried antipneumococcus serum (Type I) kept at the National Institute for Medical Research, Hampstead, London.

3. Antipneumococcus Serum (Type I) shall be issued for therapeutic use in the form of either—

(*a*) the serum separated from the blood or plasma of the immunised animals; or

(*b*) the solution of the globulins containing the specific immune substances; or

(*c*) the dried solid prepared from (i) the natural serum or (ii) the globulins containing the specific immune substances.

[Similar provisions are applicable to Antipneumococcus Serum (Type II). Directions as to labelling, specification of strength and other data are provided.]

Provisions applicable to Staphylococcus Antitoxin

1. Staphylococcus antitoxin is the serum, or the antitoxic globulins, separated from the blood of animals which have been immunised against the toxin prepared by artificial culture on suitable media of Staphylococci obtained from cases of infection. The staphylococcus toxin is characterised by its lethal action when injected into susceptible animals, by the production of inflammation and necrosis when injected intracutaneously into susceptible animals, and by its lytic action *in vitro* on the red blood corpuscles of the rabbit. Staphylococcus antitoxin is characterised by its power of neutralising these activities of the staphylococcus toxin when mixed with it in effective proportions. The proper name of the substance is "Staphylococcus Antitoxin."

2. The standard preparation is a quantity of dried staphylococcus antitoxin kept in the National Institute for Medical Research, Hampstead, London.

[Directions as to labelling, specification of strength and other data are provided.]

Provisions applicable to Gas-Gangrene Antitoxin (Œdematiens)

1. Gas-Gangrene Antitoxin (œdematiens) is the serum, or the antitoxic globulins, separated from the blood of animals which have been immunised against the specific toxin prepared by the growth of *clostridium œdematiens* in a fluid medium. The proper name of the substance is "Gas-Gangrene Antitoxin (œdematiens)."

2. The standard preparation is a quantity of dried gas-gangrene antitoxin (œdematiens) kept in the National Institute for Medical Research, Hampstead, London.

[Directions as to labelling, specification of strength and other data are provided.]

Provisions applicable to Gas-Gangrene Antitoxin (Vibrion Septique)

1. Gas-Gangrene Antitoxin (vibrion septique) is the serum, or the antitoxic globulins, separated from the blood of animals which have been immunised against the specific toxin prepared by the growth of the *clostridium* commonly known as vibrion septique in a fluid medium. The proper name of the substance is "Gas-Gangrene Antitoxin (vibrion septique)."

2. The standard preparation is a quantity of dried gas-gangrene antitoxin (vibrion septique) kept in the National Institute for Medical Research, Hampstead, London.

[Directions as to labelling, specification of strength and other data are provided.]

Part III

Provisions applicable to Diphtheria Prophylactic

1. Diphtheria Prophylactic is diphtheria toxin (the sterile filtrate from a culture on nutrient broth of *Corynebacterium diphtheriæ*), or material derived therefrom, the specific toxicity of which has been reduced to a low value either by the action of chemical substances, or by the addition of diphtheria antitoxin, or by both methods, but, in any case, in such a manner that it retains efficient properties as an immunising antigen. Its proper name is "Diphtheria Prophylactic."

[Directions as to labelling and specifications of strength are provided.]

Estimation of B Vitamins

IN a recent issue of "The British Medical Journal" (3873, 646) the results obtained by Professor George R. Cowgill in the estimation of vitamin B requirement are discussed. Professor Cowgill, who has been working on this problem for several years, has recently completed a book entitled "The Vitamin B Requirement of Man." The following account of the author's method of estimation is given in "The British Medical Journal":—

He obtained a large quantity of dried brewers' yeast, which he mixed thoroughly and used for all his experiments. He determined the minimum quantity of this yeast which would keep a pigeon at a constant weight. From the figures obtained from twenty-three birds, this amount was evidently a function of the body weight. The values 1/3, 2/3, 3/3, 4/3, up to 8/3 were successively substituted for n in the formula $\frac{\text{vitamin}}{\text{weight}^n} = K$, and the mean value of K for all the pigeons determined in each substitution of n. The average deviation from the mean in each series of figures was found. The smallest deviation was taken to indicate the best value of n. For the pigeon it proved to be 5/3 with a corresponding value of K = 0.0037. For the dog, rat, and mouse also, n proved to be 5/3. The values of K varied, and, ultimately, were found to vary inversely as the maximum normal body weight of the species. Also, regarding $W^{2/3}$ of the formula to represent metabolism, it becomes Vit. = K.Weight. Metabolism, whence, finally, the formula for the vitamin B_1 requirement of man is found to be, in its simplest form,

$$\frac{\text{Vit. i}}{\text{Cal. i}} = 0.0000284 \text{ Weight i (in grams)}$$

(i indicating individual).

It is true that Professor Cowgill's investigation had commenced before the acceptance of the belief that vitamin B comprises more than one factor, and that "The British Medical Journal" is not satisfied with his use of the international standard for vitamin B_1. But the important point of his research is that for the first time the dosage of vitamin B has been put on a quantitative basis.

Modern Package Design

Some Interesting Examples of American Packs Shown at a Recent Exhibition in London

Above : *A well-designed tin for Pebeco tooth-powder.*

Left : *This cream container is printed in one colour, and the tin has an inner metal shell.*

Right : *A deodorant powder packed in a new type of container. The tube is made of a celluloid material and the powder is sprayed out.*

[*Illustrations by courtesy of "Shelf Appeal"*]

Above : *Lysol soap in a simple one-colour wrapper with an orange band.*

Above : *This nail polish container has a white plastic closure and neat label.*

Right : *This range is a good example of a design for related goods.*

Lancashire Analyst's Report

THE latest annual report of the public analyst for the county of Lancaster (Mr. G. D. Elsdon, B.Sc.), covering the year 1934, is a document of considerable scientific interest, extending to 216 pages. In discussing samples of milk, for instance, Mr. Elsdon devotes several pages to the subject of cryoscopy, with a section on the functioning of thermometers. The following paragraphs are selected from the part of the report dealing with drugs and chemicals.

ACETIC ACID.—Sample —— was originally demanded as "acetic acid." The sampling officer was then asked whether the strong or the weak acid was required, and the reply "weak acid" was given. The sample was found to consist of 33 per cent. acetic acid, which is the "acetic acid" of the British Pharmacopœia. The strongest acid is described in the British Pharmacopœia as "glacial acetic acid." The description applied to this sample "weak acetic acid" might be assumed to be equivalent to the "dilute acetic acid" of the British Pharmacopœia, which contains only 6 per cent. of acid. The vendor's notice has been drawn to the composition of this sample.

BORAX.—Sample of borax —— was found on examination to contain fifty parts of arsenic expressed as arsenious oxide per million. The British Pharmacopœia requires that borax shall not contain more than five parts of arsenic per million. Of the 292 samples of borax which have been examined in the County Laboratory since 1908, forty-three samples have contained excessive amounts of arsenic, but only five of these have occurred since the year 1925. . . .

CAMPHORATED OIL.— . . . During the year nine samples of camphorated oil have been examined, two of which were obtained from the same vendor, one being an informal sample and the other a formal sample. Both these samples have been returned as adulterated, the former being deficient of 37 per cent. of the correct amount of camphor and the latter being deficient of 37.5 per cent. In previous years thirty-eight samples of camphorated oil have been examined in the County Laboratory. Thirty-seven of these have been returned as genuine, having contained from 18.9 per cent. to 22.2 per cent. of camphor. The only sample described as adulterated was one which contained turpentine and mustard oil in addition to camphor and olive oil. The vendor in the case of the two adulterated samples taken during the present year was a retailer who purchased his supplies from a manufacturer. The manufacturer has been cautioned.

CINNAMON.—During the year 1934, thirteen samples of cinnamon were examined. Of these, one, or 7.7 per cent., was adulterated. Sample —— was found to contain 10.1 per cent. of ash, of which 6.0 per cent. was insoluble in hydrochloric acid and consisted of sand and siliceous matter. The vendor has been cautioned. The total ash of the other samples varied between 3.94 and 5.36 per cent. with an average of 4.54 per cent. The British Pharmacopœia requires that cinnamon bark should not contain more than 7 per cent. of ash, and not more than 2.0 per cent. of ash insoluble in dilute hydrochloric acid. That these are certainly not unreasonable standards is shown by the figures obtained on commercial samples during the years 1908-1934. Out of 103 samples examined 95, or 92.2 per cent., complied with the limits of the Pharmacopœia.

EPSOM SALTS.— . . . Since the year 1921 no sample has contained more than five parts per million of either arsenic or lead. [Two tables are given in the report.]

GINGER.—The part of the report allotted to ginger occupies more than fifteen pages, and includes valuable tables of total ash, water-soluble ash and other data. Of 2,319 samples of powdered ginger examined since 1912, thirty-six (1.6 per cent.) have been returned as adulterated.

IODINE PAINT.—Sample —— was described on the bottle as "Iodine Paint (Methylated)." On examination it was found to contain 2.2 per cent. of iodine and 1.5 per cent. of potassium iodide. There is no definite standard for "iodine paint," but no formula has been found which suggests an iodine content of less than 2.5 per cent., whilst the majority of the suggestions are considerably higher than this figure. The sample was reported as being at least 12 per cent. deficient in iodine and, as the sample was an informal sample, the vendor has been cautioned.

MAGNESIA.—During the year, six samples have been submitted which have been described as "magnesia." Three of these have consisted of magnesium oxide, whilst the other three have consisted of magnesium carbonate. For many years there has been a considerable amount of confusion as to the nature of the article expected when "magnesia" is asked for. When the carbonate is supplied the article is not infrequently sold in cartons on which some such words as the following are printed: "This substance is known to the public as 'magnesia' though its correct name is 'carbonate of magnesia.' When magnesia is asked for, the carbonate is usually required, as it mixes more readily with water. If 'calcined magnesia' is required it should be asked for as such." In spite, however, of the popular idea, official requirements are now definite that "magnesia" applies to the oxide and not to the carbonate. . . .

PEPPER.—Sample of pepper —— was found on examination to be coloured with turmeric. At one time the colouring of pepper in this way was not uncommon, but it is now very unusual. . . .

TABLETS OF AMMONIATED QUININE.—Sample —— was sold as tablets of ammoniated quinine. The tablets were stated to contain quinine sulphate 1.2 part, ammonium chloride 1.6 part, calcium carbonate 0.5 part and excipient (or binding material) 0.5 part. The tablets were found to weigh on the average 0.38 gram each, and to have a composition agreeing fairly closely with that given on the label. There seems to be reason to believe that such tablets may be used to replace ammoniated tincture of quinine, and there would appear to be some doubt as to whether the former is a satisfactory substitute for the latter.

TURPENTINE SUBSTITUTE.—During the year a complaint was received concerning the labelling of a sample of turpentine substitute. It was described on the label as "——— Blended Household Turpentine." The matter was taken up by the clerk of the County Council, and the suppliers of the article have agreed to describe it as "Turpentine Substitute," the word "Substitute" to be in letters of the same size as the word "Turpentine."

FERTILISERS AND FEEDING-STUFFS.—Table 94 shows that during the year two samples of fertilisers were examined, of which both were unsatisfactory in declaration. Table 95 shows that thirty-one samples of feeding-stuffs were examined, of which five were unsatisfactory in composition and one in declaration.

New Books

Moor, C. S., and Partridge, W.—*Aids to the Analysis of Food and Drugs*. First edition. 6¼ in. by 4 in. Pp. viii+322. 5s. Baillière, Tindall & Cox, 7 and 8 Henrietta Street, London, W.C.2 [The revision of this well-known manual has been carried out by Mr. J. R. Nicholls of the Government Laboratory. The scope of the book is wide, and the requirements of the 1932 British Pharmacopœia and of the Food Preservatives Regulations have been taken into account.]

Murrell's What to Do in Cases of Poisoning. 14th edition. 6½ in. by 4 in. Pp. viii + 208. 5s. H. K. Lewis & Co., Ltd., 136 Gower Street, London, W.C.1. [This, like the two editions immediately preceding it, has been edited by Dr. P. Hamill. Though primarily addressed to medical men, it contains much that pharmacists may with advantage remember. The revision has been thorough, including the addition of new substances. There is a clash between the "gastro-intestinal" of p. 3 and the "gastero-intestinal" of pp. 120, 121.]

Partington, J. R.—*A Text-Book of Inorganic Chemistry*. Fourth edition. 7½ in. by 5 in. Pp. 1062. 15s. Macmillan & Co., Ltd., St. Martin's Street, London, W.C.2. [Several changes have been made in this well-known text-book in order to bring its information to date, although the third edition was published as recently as 1930. These include a general discussion of the hydrides of the elements; the revision of the section on active nitrogen; a table of the electronic structures of the rare-earth elements; and the inclusion of several electronic formulæ of compounds. There are nearly 400 illustrations.]

The Widows' Clause

By J. G. Wallbridge

TO the present generation the three words forming my title mean nothing ; still they ought to be used as a warning to serious thinkers in pharmacy, of whom surely we have a goodly number left even in these days of rapid movement. It would be alleged by a number of the older generation that many of our troubles might have been avoided if due attention had been given to this clause many years ago, as I will explain in a brief manner.

My remarks will circle around a speech by the late Mr. Michael Carteighe, whose portrait was printed in the issue of the *C. & D.* dated May 4. It was at a mass meeting of pharmacists—or perhaps I ought to say chemists, for the term "pharmacist" was reserved for "Major" men until 1908. This meeting was held in a large hall—I think Hulme Town Hall—about the year 1895, but in this my memory fails me. It was a large meeting (between 200 and 300), all vouched for on entry as qualified chemists and no pressmen present ; hence, probably, no detailed report of that meeting was ever printed. It was arranged by the then Pharmaceutical Council to discuss freely the problems of our calling and to ask for suggestions how to improve matters.

Mr. Michael Carteighe, then president of the Pharmaceutical Society, was the opening speaker, and he took the "Widows' Clause" of the 1868 Pharmacy Act—as his text, shall I say? He alleged that our present position (speaking of the middle 'nineties) was due to this clause, and that if this clause had not existed we should have had no limited companies carrying on chemists' shops ; the word "pharmacy" was not much used in those days to describe our shops. The clause permitted the widow of a chemist or his other executors to carry on the business if a qualified man was in charge—incidentally, the recent Act fixes a time limit to this procedure.

Mr. Carteighe, with his appealing Irish brogue, waxed very indignant when he explained that as a young councillor he was practically the only one on the Council who opposed this clause when the Bill was under discussion before it was put before Parliament ; he had a presentiment that it foreboded evil in the future ; he wanted this clause deleted altogether, or if that could not be then a time limit should be fixed ; he told the meeting that he was "hounded" down at the time as a heartless young man with no sympathy with the poor chemist's widow and the little family he might leave ; that it was the height of "cruelty." What harm could this clause do, they said, if a qualified man were in charge?

Mr. Carteighe did not suggest that he saw what really would happen, but thought that it would be better for the widow to sell the business and turn to some other means of livelihood, as he said he could see that a complicated business like ours would only be a burden to her, the public would even be better served by the personal chemist, and she would be more sure of a "living" in some other way. Anyway, the forces against him were so strong that his suggestions were overruled and eventually the Act became the law of the land with the "Widows' Clause," with dire consequences.

In 1881 the Army and Navy Stores in London were prosecuted for carrying on a chemist's department not being themselves chemists nor executors of a chemist. This case was taken from court to court until it finally reached the House of Lords, where the presiding judge said that if a business of a deceased chemist could be carried on by a widow or executors with a qualified manager, why not a company? This case was lost by the Pharmaceutical Society, and resulted in the development of limited companies owning pharmacies. "Now," said Mr. Carteighe, "do you see what might have been our position if that clause had been deleted? "

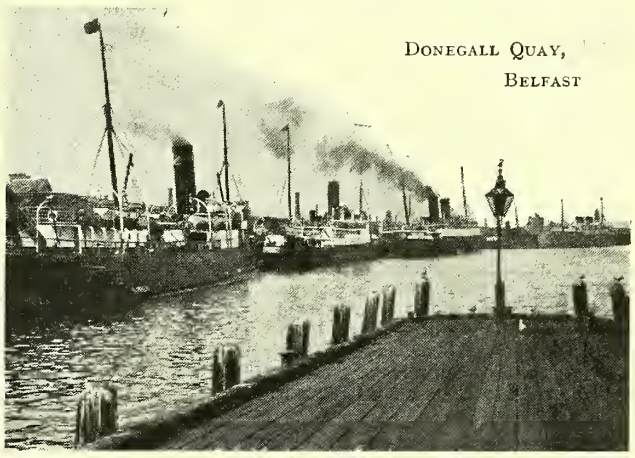
I am writing these notes from memory, which may not be accurate word for word after a lapse of forty years ; still the spirit is there, and can act as a warning not to overlook even minor points in our present-day legislation ; some one in the future may rise up and blame us of this generation for our mistakes. Outspoken men as individuals many times get the worst of it ; still, Mr. Carteighe was appreciated, as proved by his repeated re-election to the presidential chair.

How to Reach Belfast

The following information on how to reach Belfast, this year's Conference centre, is supplied by the London, Midland and Scottish Railway Co.

A POPULAR route is that via Heysham to Belfast and Northern Ireland. Trains leave Euston and St. Pancras and connections are made from all the principal towns on the English side. This is a nightly service in each direction, and the journey from London to Belfast can be accomplished in about twelve hours. The service from Stranraer in Scotland to Larne in co. Antrim has the distinction of having the shortest sea passage between the two countries, as the steamers are actually only out of sight of land for one hour and twenty minutes. The journey from Larne to Belfast is made over the L.M.S. (Northern Counties) lines.

There is also an express service from Euston each week-day evening to Liverpool, where Dublin and Belfast can be reached by the vessels of the British and Irish Steam Packet Co. and the Belfast Steamship Co., respectively. The connecting train from Euston is equipped with restaurant cars, and motor-buses



DONEGALL QUAY, BELFAST

convey passengers and their luggage free of charge between the station and the steamer at Liverpool.

Ireland is well served by railways. The L.M.S. has its own lines in Ulster, serving some 200 miles of the loveliest scenery in the northern province, including Belfast Lough resorts, Antrim glens and Portrush. The principal Irish lines are the Great Southern Railways and the Great Northern (Ireland) Railway ; the former, broadly speaking, operates in the Irish Free State and the latter from Dublin to Belfast and in Northern Ireland.

Belfast has a population of nearly half a million, and the city can boast of an imposing and handsome university which has an honourable record of famous men given to science and industry. Well provided for in the entertainment world, having numerous theatres and cinemas, Belfast is also within easy reach of the Antrim mountains. The new Parliament Buildings of the Government of Northern Ireland, opened by H.R.H. the Prince of Wales in 1932, is situated on a terrace cut out of the slope of a hill commanding a glorious vista of the counties of Antrim and Down, at Stormont in the eastern suburbs of Belfast. In the countryside around are to be found splendid facilities for golf, tennis and fishing.

SIR FREDERICK GOWLAND HOPKINS, F.R.S., has promised to deliver the inaugural sessional address at the opening of the Pharmaceutical Society's College of Pharmacy, 17 Bloomsbury Square, W.C.1, next autumn.

A CENTENARY BROCHURE.—Gehe & Co. A.-G., Dresden, N.6, have issued a sumptuously printed and illustrated brochure of 107 pages in commemoration of their centenary, which falls this year. The firm, which was founded by Franz Ludwig Gehe, became a company in 1903. The first edition of the well-known "Gehes Codex" appeared in 1910.

Trade Notes

J. F. MACFARLAN & Co., Edinburgh and London, announce that their offices, works and warehouses will be closed on June 15, the occasion of the wedding of their Mr. David Rainy Brown.

A NEW BOTTLE.—United Glass Bottle Manufacturers, Ltd., Norfolk Street, Strand, London, W.C.2, are producing a range of bow shaped bottles with white enamelled aluminium and moulded korkalite caps. These containers are of attractive appearance and eminently suited for pharmaceutical purposes.

CIRENGOL.—Thomas Christy & Co., Ltd., 4 Old Swan Lane, London, E.C.4, remind chemists that at this time of year there is excellent business to be done with gardeners, particularly rose-growers, whose plants are troubled with greenfly. Cirengol is a well-tried remedy, and Messrs. Christy can supply show material if desired.

DOG SHAMPOO.—Allen & Hanburys, Ltd., Bethnal Green, London, E.C.2, have introduced as Plough brand dog shampoo a new type of detergent which lathers freely with hard or soft water and leaves no scum. It is practically neutral in reaction, and the absence of free alkali is a great advantage in preserving the natural gloss, colour and texture of dogs' coats. It is packed in screw capped tins.

NATURAL GRAPE JUICE.—Vita Products, Ltd., 39 Finsbury Square, London, E.C.2, have placed on the market a concentrated natural grape juice which it is stated keeps good indefinitely, never ferments although it contains no preservative, and is free from alcohol. It is a product of the French vine industry. Each bottle is the equivalent of 17½ lb. of fresh grapes, concentration having been effected by a vacuum process.

PRICE REDUCTION.—Bovril, Ltd., 148 Old Street, London, E.C.1, announce reduced prices for Zett, their fruit pectin compound in powder form. Details of the new wholesale and retail prices are given elsewhere in this issue. This product is to be extensively advertised in periodicals read by ladies, so that there should be a good demand for it during the jam-making season. Supplies of recipe books for counter distribution will be sent to chemists on request.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1935, p. 323.

(From "The Trade Marks Journal," April 24, 1935.)

"PHOSFERINE TONIC WINE" on design incorporating man tearing tree trunk; for medicated wine (3). By Phosferine (Ashton & Parsons), Ltd., La Belle Sauvage, Ludgate Hill, London, E.C.4. 555,423. (Associated.)

"CHELTA"; for medicinal chemicals, excluding soap (3) and for perfumery, etc. (48). By United Chemists' Association, Ltd., Priory Court, London Road, Cheltenham. 555,664/5. (Associated.)

"HAX"; for medicinal chemicals (3), excluding caffeine and the like, soap, and cough preparations. By E. Hack, 77-79 Farringdon Road, London, E.C.1. 555,876.

"EFFALGEN"; for medicated antacid preparations (3). By Harwoods, Chemists, Ltd., Rigby House, High Street, Watford. 557,954.

"WILLIAM E. LUSTY" facsimile signature; for medicinal chemicals (3). By W. E. Lusty, 278 London Road, Westcliff-on-Sea. 559,057.

"VANELLE"; for brushes (50). By Johnson & Johnson (Gt. Britain), Ltd., Slough Trading Estate, Slough. 558,848.

(From "The Trade Marks Journal," May 1, 1935.)

"BEKA" on label design; for photographic chemicals (1). By Dr. Bekk and Kaulen Chemische Fabrik G.m.b.H., Loevenich, Nr. Cologne, Germany. B 552,123.

"FLOXIVE"; for chemicals (1). By Hadfields (Merton), Ltd., Western Road, Mitcham, Surrey. 558,527.

"VERDASAN"; for chemicals (2). By British Dyestuffs Corporation, Ltd., Imperial Chemical House, Millbank, S.W.1. 558,122.

"KIMMOX"; for moth killing preparations and deodorisers (2). By Cimex, Ltd., 68 Victoria Street, Westminster, S.W.1. 558,626.

"CONTRACOX"; for chemicals (2). By Poultry Prophylaxis, Ltd., 448 Strand, London, W.C.2. 558,370.

"TERMINUS"; for insecticides and vermin destroyers (2). By Victrix, Ltd., 12 Bishopsgate Avenue, London, E.C.3. 558,987.

"ZEMS"; for medicated tablets of liquorice and herbs (3). By D. Gold, 113 Park Avenue, London, N.W.10. 556,685.

"CALVITONE"; for medicinal chemicals (3). By Savory & Moore, Ltd., 61 Welbeck Street, London, W.1. 559,124.

"LUERAM" with design of boy in Highland dress encircled by thistle wreath; for medicinal chemicals (3). By Muriel I. S. Jones, 101 Grove Lane, London, S.E.5. 558,380. (Associated.)

"MCKINTOL"; for medicinal chemicals (3). By Wigglesworth, Ltd., Peel Mills, Church Street, Westhoughton, Lancs. 559,231.

"IKOMAT"; for photographic apparatus, etc. (8). By Zeiss Ikon, A.-G., Schandauerstrasse 72/80, Dresden A.21, Germany. 558,798. (Associated.)

"TORNADE"; for perfumery, etc. (48). By Parfums Revillon, 42 rue la Boétie, Paris, France. 557,682.

"FUROR"; for perfumery, etc. (48). By Coty Manufacturing Co., Ltd., Great West Road, Brentford, Middlesex. 558,992.

Business Changes

THE business of Mr. W. H. Kendrew, chemist and druggist, 51 Queen's Road, Southport, is being transferred to 59 Queen's Road.

MR. J. M. BRYSON, chemist and druggist, has sold his business at 92 High Street, Haddington, and is opening a pharmacy at Dunoon.

MR. W. FOULDS, chemist and druggist, has taken over the business of Mr. Fred Medley, chemist and druggist, 5 Page Hall Road, Sheffield.

THE Gravesend branch of Taylors Cash Chemists, Ltd., has been closed, and the business transferred to Timothy Whites & Taylors, Ltd., 25 and 26 High Street.

THE name of Rex Beauty Products, 35 Percy Street, Tottenham Court Road, London, W.1, has been changed to Scilla Beauty Products, Ltd. The new name will be applied also to the company's products.

Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc. occur.

Monday, May 13

Society of Chemical Industry, London Section, Chemical Society Rooms, Burlington House, London, W.1, at 8 p.m. Annual meeting. Professor F. L. Pyman, F.R.S., on "Some Lines of Research in Chemotherapy."

Tuesday, May 14

National Pharmaceutical Union, Leeds Branch. Annual general meeting.

Pharmaceutical Society of Great Britain, Liverpool and District Branch, Royal Institution, at 8.30 p.m. Meeting.

Pharmaceutical Society of Great Britain, North Staffordshire Branch. Debate.

Wednesday, May 15

The British Chemical and Dyestuffs Traders' Association, Ltd. Waldorf Hotel, Aldwych, London, W.C.2, at 2.30 p.m. Annual meeting. (Luncheon at 1 p.m.)

Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C.1, at 12 noon. Annual meeting.

Royal Society of Arts, John Street, Adelphi, London, W.C.2, at 8 p.m. Mrs. Katherine Pearce on "Window Displays."

Thursday, May 16

Reigate, Redhill and District Pharmacists' Association, and Branch of the Pharmaceutical Society, Warwick Hotel, Redhill, at 8.15 p.m. Annual meeting.

Marriages

HUTCHISON — SLADE. — At Totterdown Baptist Church, Bristol, on April 20, John Clark Hutchison, chemist and druggist, to Beatrice Kate Slade.

LING—LEWIS.—At St. Mary's Parish Church, Swansea, recently, R. E. Rowland Ling, chemist and druggist, to Edith R. Lewis, chemist and druggist.

REID—ING.—At Bushey Parish Church, recently, Alexander S. Reid, chemist and druggist (R. C. Tween, Ltd., chemists, Bushey), to Elsie E. Ing.

Deaths

BENNETT.—On April 29, Mr. William George Thomas Bennett, chemist and druggist, 21 Catford Hill, S.E.6, aged fifty-four. Mr. Bennett commenced business at Catford Hill about twenty-five years ago.

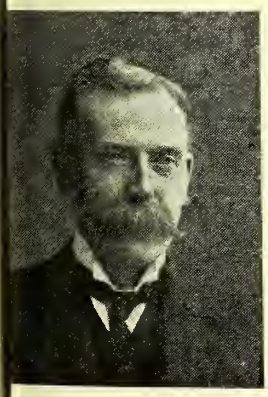
BURN.—Recently, after a lingering illness, Mr. John Henry Burn, retired chemist and druggist, Rossburgh, Natal, aged seventy-four. Mr. Burn, who was born at Tynemouth, Northumberland, went to Natal over fifty years ago. After an appointment as manager of Lennon, Ltd., he took up sugar farming in Zululand for three years. He then commenced business in the Transvaal as a chemist at Turffontein, Johannesburg; eventually he returned to Durban and established a business at Sea View. Mr. Burn retired in 1926.

FITT.—On April 29, Mr. Cyril Herbert Christian Fitt, chemist and druggist, Norwich, aged sixty-eight. Mr. Fitt, who was a native of the city, carried on business first on St. Catherine's Plain and afterwards in St. Stephen's Road. After the war he sold his business to Mr. M. French, chemist and druggist. Mr. Fitt was highly esteemed for his genial personality. He was a member of the Woodpeckers Art Club, a good amateur painter, and a great lover of art and nature.

HARDY.—The funeral of the late Mr. Thomas Hardy, J.P., a member of the Council of the Pharmaceutical Society, whose death was recorded in our issue of May 4 (p. 541), took place at Maryport Cemetery on April 29. The family mourners included Mrs. Greaves (daughter), Mr. John Hardy, chemist and druggist, and Mr. H. Hardy (brothers). Pharmacy was represented by Mr. J. H. Grayson, Whitehaven, Mr. W. H. Wandess, Whitehaven, Mr. F. A. Clayton, Whitehaven, Mr. J. R. Taylor, Workington, Mr. T. T. Townley, Keswick, and Mr. J. Spark, Maryport. Maryport Urban District Council and the Cumberland Bench of magistrates also sent representatives.

KELLETT.—At 78 Manchester Road, Blackpool, recently, Mr. William Herbert Kellett, chemist and druggist. Mr. Kellett qualified in 1893.

STRACHAN.—At 82 Beaconsfield Place, Aberdeen, on April 30, Mr. Alexander Leslie Strachan, chemist and druggist, a director of Davidson & Kay, Ltd., chemists, Union Street and Alford Place. Mr. Strachan, who was a native of Rothienorman, served his apprenticeship to the late Mr. James Munro, Inverurie, and qualified in 1885. After experience in Glasgow, he returned to Aberdeen as manager of Messrs. Davidson & Kay's Alford Place pharmacy. When the firm was converted into a limited company he became a director with Mr. Harvey G. Kay. The history of this well-known business was recorded in THE CHEMIST AND DRUGGIST, 1932, II, 292: it will be remembered that Messrs. Davidson & Kay have been chemists to the Royal family for five generations. Mr. Strachan was a churchwarden St. Mary's Episcopal Church, Aberdeen. He is survived by widow.



MR. A. L. STRACHAN

Personalities

MR. G. H. F. FLORY, chemist and druggist, has been granted permission to practise in Jersey.

MR. HENRY ROBINS, chemist and druggist, Wantage, has been elected people's warden at the parish church.

COUNCILLOR J. W. EDMONDSON, chemist and druggist, Rishton, has been elected chairman of the local Council.

MR. G. BERNARD THOMPSON has been appointed sales manager to Ava, Ltd., 9 Park Hill, Clapham, London, S.W.4.

COUNCILLOR H. S. TURNER, chemist and druggist, Mayor of St. Ives, Huntingdon, has been elected people's warden at All Saints' Church.

MR. E. A. ONYON, J.P., chemist and druggist, Mayor of Eye, Suffolk, has received the silver medal awarded by the King in commemoration of his Majesty's Silver Jubilee.

AT the Easter vestry of St. Mary de Crypt Church, Gloucester, Mr. A. R. Wheatley, M.P.S., F.S.M.C., was reappointed churchwarden for the tenth year in succession.

MR. C. J. RUSSELL, M.P.S., The Dene Pharmacy, Jesmond Road, Newcastle-on-Tyne, asks us to convey his appreciation and thanks to the many friends who sent him messages of congratulation on the fiftieth anniversary of his entering the business.

SIR JOHN AMBROSE FLEMING was presented with the Kelvin medal on May 7 in recognition of his contributions to research and the application of research to industry. The medal is awarded triennally as a mark of distinction in engineering work or investigation of the kind with which Lord Kelvin was especially identified. It is perhaps in connection with the thermionic valve that Sir Ambrose is most widely known.

ALDERMAN J. D. ROSE, J.P., chemist and druggist, Jarrow, is to receive the freedom of the borough in recognition of his services. Alderman Rose conducts the business which was established in the town by his father seventy-five years ago. He entered the Town Council in 1898, and is the only member of the original Jarrow Education Committee appointed in 1902. He has been a borough magistrate since 1908. Alderman Rose has achieved a wide reputation as a local historian, and has been a member of the Newcastle Society of Antiquaries for more than twenty-five years.

Wills

MR. CHARLES RAINFORD GAULTER, 9 Knowsley Avenue, Blackpool, chemist and druggist, who died on January 15 last, aged sixty-five, left estate gross value £15,279, with net personalty £2,619.

MR. ALFRED PERCY FREEMAN, 66 Marina, St. Leonards-on-Sea, Sussex, chemist and druggist, who died on February 8 last, aged sixty-two, left estate gross value £8,312, with net personalty £8,232.

MR. HENRY HOLLAND, 28 Wheelock Street, Middlewich, Cheshire, pharmaceutical chemist, who died on December 26, 1933, aged seventy-four, left estate gross value £9,677, with net personalty £7,015.

MR. ALEXANDER BENJAMIN JENSON, 4 Park Hill, Moseley, Birmingham, pharmaceutical chemist and dentist, who died on November 1 last, aged sixty-seven, left estate gross value £7,958, with net personalty £6,334.

MR. THEOPHILUS HORNER, Belmont, Larkfield Lane, Southport, Lancs, manager of Cupal, Ltd., manufacturing chemists, Blackburn, who died March 26 last, left estate gross value £3,600, with net personalty £3,526.

MR. JAMES COOLE KNEALE, M.B., Ch.B., L.R.C.P., L.R.C.S., L.F.P.S., Shirley Lodge, Stratford Road, Shirley, Warwickshire, chemist and druggist, a member of the Warwickshire County Council and vice-chairman of the Solihull Urban District Council, at one time lecturer at Birmingham University and for many years external examiner for Irish Universities in materia medica, died on January 25 last, aged sixty-nine, leaving property valued at £19,256, with net personalty £11,914.

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DISEASES AND REMEDIES
Now in its sixth edition (March, 1931). It has been carefully revised by an experienced medical practitioner and parts of the book have been rewritten. Price 5s. net, by post 5s. 3d.

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Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

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S/15. Louis of Paris rouge
B/75. Oxyaskarin tablets
B/75. Theltone hair tonic
B/26. Win-all corn pads

THE
CHEMIST AND DRUGGIST
VOL. CXXII. May 11, 1935 NO. 2883

A Summing Up

THIS year twelve candidates have come forward for the seven seats on the Council. It is an old Council custom, if we may say so, for those who are already councillors to combine, as it were, to form a solid phalanx against any encroachment from any chemist who has the temerity to knock, be it ever so timeously, at the door of the Council chamber. Yet we should like to remind every chemist that as membership of the Pharmaceutical Society has been forced upon him, he should use the vote with which he has been provided without fear or favour. In these days it is perhaps unnecessary to remind the pharmaceutical constituency that the vote is indeed a powerful weapon, although there have been, and still are, those who maintain that permanent officials are the real rulers. But it has to be emphasised that in exchange for compulsory membership the electorate has had thrust upon them an instrument which can greatly affect the future of pharmacy. It is for those who hold the vote to use it.

We have been privileged to publish the election addresses of the various candidates. We hasten to point out that the independent candidates' appeals were placed first because they were received first. The "Six Appeal," as we may term it, came last. How long this method of bunching views will be permitted by pharmaceutical voters is not for us to estimate. We are satisfied, however, from what aspiring candidates have told us, that the cost of striving for election is much greater than that of keeping out a newcomer. It savours of the "dog-in-the-manger" attitude when six minds with but a single thought pool their election expenses. It suggests also an unwholesome unanimity of thought which cannot be good for pharmacy. If one-third of the Council is so smug and satisfied, is the two-thirds equally so? Further, if the entire Council agrees to everything that comes up, how can it be otherwise than that the rank and file of pharmacy are dissatisfied sooner or later? And we hope that sooner than later the chemist will call the tune for which he has had to pay and will have to pay yet more dearly.

As for the candidates, we cannot hope to deal with all of their statements, but we should like to draw attention to Mr. H. M. Lloyd's dignified and informative replies to our questionary (*C. & D.*, April 20, p. 483). To those who believe in territorial representation Mr. Lloyd will no doubt attract the votes of enthusiastic Welshmen. Mr. Lloyd's record of public service, however, has much to commend him as a suitable candidate without any question of territory. Mr. Percy Barrs and Mr. J. J. Laws have sent us spirited replies which should be again read. Mr. McNeal may perhaps be described as the stormy petrel among the candidates, and has to be commended for his tenacity of purpose which is characteristic of all those whose surname starts as his does. Mr. Young is one of the newcomers among candidates. He has had a good business experience but is perhaps not so well known to the electorate as some of the other aspirants. Yet we should like to draw the attention of the electorate to his statement (*C. & D.*, April 27, p. 509), which indicates a man of sound judgment and ripe experience. Mrs. Irvine is almost certain to have a large following. Few, we imagine, would deny that her experience in public service would be of the greatest possible value in serving pharmacy. She should not be lightly passed over. Finally, there is the address of the Big Six. We have to accept this extraordinary statement as the simple viewpoint of six minds. Recipients have no doubt noted that the parrot cry of "stunt" is raised so soon as any question is asked. We note the reference to "businesslike administration." Reduced expenditure per member is put forward as proof; but, if we may raise the question without any suggestion of "stunt," can it be that this satisfactory reduction is due to the sale of the Society's Codex and not to any decrease of actual expenditure? We should also like to point out that enthusiasm is not a monopoly of the Pharmaceutical Council. If experience means previous service on the Council, obviously retiring members have it.

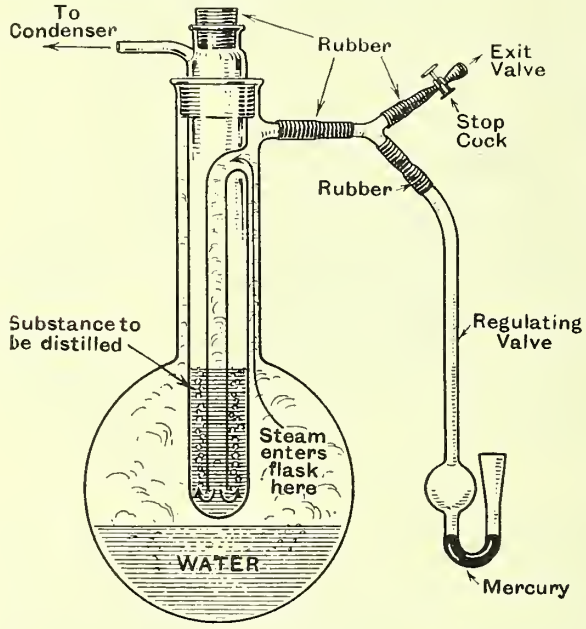
It appears that fancy sums have been suggested as fees for registration of premises. It would have been advantageous, perhaps, to give an idea of what would constitute a fancy fee. For it to be "no higher than is necessary" is hardly likely to arouse much enthusiasm among those who will be required to pay. The innuendo that new candidates are merely vote-catchers is an insult to the intelligence of electors. **We shall hope on this occasion to see a gratifying increase in the number of chemists who appreciate the importance of registering their votes.**

A Risk with Amidopyrin

AMIDOPYRIN has for some years enjoyed the reputation of being a relatively harmless substance; but P. Plum has contributed to "The Lancet" (5810, 14) a study of seven cases of agranulocytosis after taking therapeutic doses of amidopyrin. The author's principal conclusions are:—(1) It is demonstrated that in a disposed person even a single small dose of amidopyrin may have a very strong and protracted reducing effect upon the white blood cell count, including mononuclears as well as polymorphonuclears. (2) While agranulocytosis is caused occasionally by other medicaments (benzol, salvarsan, gold, bismuth, and dinitrophenol), there can be no doubt that in the great majority of observed cases it is produced by amidopyrin. He adds that since the ætiological significance of amidopyrin has become a subject of general discussion in Denmark (August 1934), no new case of agranulocytosis has been admitted to the Blegdamshospital. Another case is recorded by G. S. Smith in a subsequent issue (5820, 607) of the same journal. The case shows the beneficial effect which may follow pentnucleotide therapy in agranulocytosis. The relapse which occurred gave opportunity for a second demonstration, in the same patient, of a granulocytic response after treatment with this product. The author adds: "It seems likely that the ætiological factor in this case was amidopyrin, which had been taken over a long period in small doses contained in a publicly advertised 'tonic.'" In view of the popularity of amidopyrin, taken by itself or in combination with other medicines, it is well that pharmacists should be alive to its possible danger. Observations to the same effect as those of P. Plum in "The Lancet" appear in Report No. 76 (just issued from the Stationery Office, price 6d.) of the Ministry of Health "Public Health and Medical Subjects" series, with a cautious deduction, however, that such drugs "have a causal relation only with an uncertain proportion" of the total number of cases of agranulocytosis.

Steam Distillation

It is often necessary to resort to steam distillation in the laboratory and the apparatus involved is generally wasteful of time, space and energy. The following apparatus has a number of advantages over that usually employed. It consists of an outer flask with a side tube having a valve attached. Into this flask is fitted another having a tube let into the wall and leading to the bottom of it. There is also an exit tube. For use, the substance is placed in the inner flask and a quantity of water is put into the outer flask. The amount of water used should exceed the amount of distillate required by about 100-150 c.c. The side valve is now open and the water in the outer flask heated to boiling and when steam issues freely from the side tube this is closed. The steam then forces its way down the side tube of



the inner flask, through the liquid to be distilled in steam and out through the exit tube. The apparatus has the following advantages over those usually employed. The inner flask is heated up at the same time and at the same rate as the water in the outer flask, thus eliminating the risk of cracking. As the inner flask is surrounded by steam the whole time the condensation is small (there is only about 2 sq. in. of surface exposed to air) and the volume remains the same, this also cuts down the time required for distillation. The side valve regulates the distillation and the volume of the distillate can be fixed by the amount of water put in the outer flask. The side valve also prevents "sucking-back" when the source of heat is removed. The amount of heat, bench space and time is greatly reduced in comparison with the ordinary steam distillation apparatus used. With the above standard apparatus a number of estimations were carried out, the results being checked with those obtained by ordinary methods. Accuracy was obtained with essential oils, phenols in soaps, sulphites in foods such as raisins, lemon peel, pearl barley, sulphites in starches, dextrin and adhesives, and there is no doubt that the method can be applied to any case where steam distillation is required and accurate results are wanted in a short time.—*J. A. R.* (15/10).

Bristol Hospitals Pharmacopœia.—We have received a copy of the new edition of the Pharmacopœia issued for the use of four hospitals in Bristol. The volume is a considerable advance on its predecessor. In addition to the formulary there are sections on the treatment of poisoning, diet tables, a list of synonyms, a table of doses, a table of weights and measures, conversion scales, and other data. The revision committee (who modestly remain anonymous) are to be congratulated on the result of their work.

When the D.D.A. Licence Is Withdrawn

The publication by the Home Office of a list of doctors and chemists from whom the authorisation to possess, prescribe or supply "dangerous" drugs has been withdrawn focuses attention on the service which doctors and chemists placed in such a disadvantageous position can give under the N.H.I. Acts. It is an important question, for it is obvious that neither of these contractors can give a complete service to insured persons according to the requirements of the Medical Benefit Regulations.

The Doctor's Position

According to the terms of his contract, the insurance practitioner is required to (1) order on a prescription form all necessary drugs, (2) supply all drugs required in an emergency. So far as (1) is concerned a doctor who cannot possess or prescribe "dangerous" drugs may in most cases, perhaps, by careful study and calculation, carry on his practice without prescribing drugs or preparations which actually come within the scope of the Dangerous Drugs Acts. There are drugs to which the Acts do not apply which may be used as substitutes for cocaine and morphine, and it is conceivable that in all but rare instances an "unauthorised" practitioner might be able to treat insurance patients without complaint being made against him and without infringing the Dangerous Drugs Acts.

It is in cases falling under (2), however, that he might experience difficulty in adequately fulfilling his insurance contract. A practitioner called to an emergency case might well find it advisable to administer morphine to the patient, and since he cannot possess it or order it for himself to supply or prescribe it on a form in the name of a patient, there does not seem to be any way in which, in this instance, he can carry out his contract. The only course open to him in such an event would be to call in a neighbouring doctor who, acting as the deputy of the first doctor, could render the service which the first doctor was debarred from rendering personally but to which the insured person was entitled.

Attempts have been made in the past by insurance committees to have the names of practitioners from whom the authorisation to possess or prescribe "dangerous" drugs has been withdrawn removed from the Medical List on the ground that such doctors cannot properly fulfil their obligations under the insurance contract; but so far, it is understood, the Ministry of Health remains unpersuaded as to the extent of the disability or the necessary failure to comply with the Regulations.

The Chemist's Position

In the case of the chemist from whom the authorisation to possess or supply has been withdrawn the position under the contract is much more serious. A chemist must dispense the prescriptions brought to him. He has no choice as to the drugs he will supply. He is, therefore, unable to avoid the "dangerous" drugs, and so cannot properly fulfil his contract to dispense insurance prescriptions. He is also, in another particular, in a less favoured position than the doctor, because he cannot engage a deputy to dispense the prescriptions which come under the Dangerous Drugs Acts. There appears to be no way, therefore, in which a chemist who has lost his licence to deal in "dangerous" drugs can carry out the contract to dispense insurance prescriptions, and so it follows that chemists from whom the authorisation under the Dangerous Drugs Acts has been withdrawn are unable to enter into or continue in contract with insurance committees. Insurance committees have restricted such unauthorised chemists to the class of contractor who can only supply (1) drugs other than scheduled poisons and (2) prescribed appliances. In other words, for National Health Insurance purposes the "unauthorised" pharmacist becomes an unqualified trader.—Viator (30/4).

"The proper study of mankind."—"It cannot be too loudly or too frequently stressed that the medicine of the skin is no more and no less than a reflection of general medicine, and that in consequence the proper study of mankind is man's skin."—Dr. John T. Ingram in "The British Medical Journal."

Photographic Dealers' Association

THE twenty-first annual general meeting of the Photographic Dealers' Association was held on May 1 at the Hotel Russell, Russell Square, London, W.C.1, the chair being occupied by Mr. D. Foster (Hove), president, who made particular reference to the coming of age of the Association. The report of the National Council on the past year's work was adopted, on the proposal of Mr. R. Robinson (Cardiff), seconded by Mr. J. M. Edwards (Fulham). The treasurer, Mr. A. Hoare (Derby), presented his report on the accounts for the year ended December 31, 1934, stating that the excess of income for the twelve months was £34 as against £31 the previous year. Mr. W. Hall (Coventry) proposed, and Mr. W. G. Loder (Worthing) seconded, that the report and accounts be adopted. That was carried unanimously.

Election of Officers

The general secretary read the names of those who had been elected to serve on the National Council representing Electoral Areas 1, 3, 5, 7, 9, 11, 13, 15, 17, also Area 2, where there had been a vacancy. The names of the councillors and their respective areas are as follows:—

Area 1.—North and East London. J. A. Thompson.
Area 2.—West London and Middlesex. J. M. Edwards.
Area 3.—South-West London and Surrey. J. R. Bevan.
Area 4.—South-East London and North-West Kent. J. Paterson.
Area 5.—South-East: Sussex and Kent (not included in Area 4). D. Foster.
Area 6.—South Central: Hants, Wilts, Berks, Oxford, Bucks, Channel Isles and Isle of Wight. W. J. B. Deeks.
Area 7.—South-West: Dorset, Somerset, Devon and Cornwall. H. Mansell.
Area 8.—Wales, including Monmouthshire, excluding Flint, Denbigh, Carnarvon and Anglesey. R. Robinson.
Area 9.—Central West: Shropshire, Hereford, Worcester, Staffs, Warwickshire and Gloucs. C. T. Thonger.
Area 10.—Central East: Lincs, Notts, Leics, Rutland, Northants and Derby. A. Hoare.
Area 11.—East: Essex, Suffolk, Norfolk, Cambridge, Huntingdon, Bedford and Hertford. Harold Brown.
Area 12.—Yorkshire, West Riding and City of York. J. Lancaster.
Area 13.—Yorkshire, North and East Riding, Durham and Northumberland. J. Riddell.
Area 14.—South Lancs, Cheshire, Flint, Denbigh, Carnarvon, Anglesey and Isle of Man. H. Barton.
Area 15.—North Lancs, Westmorland and Cumberland. T. A. Durkin.
Area 16.—Lanarkshire, Bute, Argyll, Renfrew, Dumbarton and Ayr (Glasgow Branch). W. Spence Culbert.
Area 17.—Rest of Scotland. A. J. Caithness.
Area 18.—Ireland. J. Smith.

On the proposition of Mr. D. Foster, seconded by Mr. F. J. Young, Mr. C. T. Thonger was elected *President*. Other officers were elected as follows:—*Vice-President*, Mr. J. Lancaster (Leeds); *Honorary Secretary*, Mr. Wallace Heaton (London); *Honorary Treasurer*, Mr. A. H. Hoare (Derby); *Auditors*, Messrs. Moustardiers; *Scrutineers*, Messrs. J. Hearle (London, S.E.) and Mr. J. Milner (London, S.E.).

The Association's Policy

The general secretary, in reporting on the present position between the Federated Photographic Manufacturers and the P.D.A., stated that following on the decision of the Branch Delegates' Conference in November last, letters had been forwarded to individual members of the F.P.M. by local branches and by head office stating the views of the Association, but it had not been possible, however, to obtain the full co-operation of any member of the F.P.M. in regard to the opening of new accounts. The effect of this correspondence had been that the all film manufacturers had so far this year opened but few accounts, a large number of applications for dealers' terms having been refused. At the meeting of the Finance Committee of the Joint Council held in December last, a resolution had been passed recommending that the Joint Council should be maintained for the consideration of "problems of mutual trade interest."

The treasurer reported that the number of subscriptions received from members for the period January 1 to April 30, 1935, was 745 in advance of the same period in 1934.

Consideration was given to the revised policy of the Association and discussion took place as follows:—

Mr. W. W. Humphreys (London, S.E.) referred to the sale of Coronet apparatus by a certain wholesaler. It was explained that the Coronet Camera Co., Ltd., are bound by contract to supply certain wholesale firms this year, such being provided for in their agreement with this Association, but from January 1, 1936, all accounts would be direct with P.D.A. members only.

Mr. F. W. Beken (Cowes) referred to the sale of Nustyle films and cameras by S. Maw, Son & Sons, Ltd. The general secretary reported that he had written Messrs. Maw in regard to their distribution policy; their reply, which he read to the meeting, was receiving the attention of the National Council.

Mr. A. Hoare proposed, Mr. Wallace Heaton seconded, and it was unanimously resolved:—"That this annual general meeting urges the necessity of film coding on all roll film manufacturers, or any other means which will prevent irregular distribution."

Mr. G. P. C. Vallance (Mansfield) raised the question of discount. Mr. Wallace Heaton proposed, Mr. G. P. C. Vallance (Mansfield) seconded, and it was unanimously resolved:—"That the following clause in the Association's policy be forwarded to the members of the F.P.M.:—'To obtain preferential terms or special discounts for members wherever possible.'"

Mr. G. P. C. Vallance (Mansfield) proposed, Mr. J. E. Crowe (Sheffield) seconded, and it was resolved with one dissentient:—"That the statement of P.D.A. policy as given in the March 'P.D.A. News' be adopted."

P.D.A. Finishers' Section

The honorary secretary reported that following on the decision of the Branch Delegates' Conference in November last, "that a P.D.A. section of Photo Finishers be formed," a scheme had been agreed by the National Council and outlined to local branches, also to members; further, a special letter had been despatched to all known finishers. A number of large firms had already applied for membership of the section. Mr. Heaton stressed that the aim of the P.D.A. is "quality," which necessitates the maintenance of the standard prices; to this end the Finishers' Section had been launched, which therefore merited strong and active support by finishers and local Branches. This section, briefly, provides for co-operation between finishers and dealers in local areas; finishers servicing only dealers and approved D. and P. collecting stations, and dealers sending their work only to approved finishers; the maintenance of prices and quality; a certificate being issued to finishers in the Section.

Mr. L. Smith (Dublin) referred to the use of good-class branded paper by the price cutter. The honorary secretary pointed out that whereas the individual finisher can do little in such a case, strong pressure can be brought to bear in the right quarters by a united body of finishers.

Mr. Wallace Heaton proposed, Mr. T. A. Durkin seconded, and it was unanimously resolved:—"That this meeting confirms clause 6 of the P.D.A. policy providing for local agreements between finishers and local Branches."

The honorary secretary reported that as a result of action taken by the P.D.A. advertisements of hire-purchase without interest which had recently appeared in the photographic Press would, in future, be refused by these journals.

Mr. W. Robbins (London) proposed, Mr. A. Finnis Attwell (Bournemouth) seconded, and it was unanimously resolved:—"That this annual meeting of the P.D.A. strongly condemns the practice of the sale of photographic apparatus on the hire-purchase system without the customary interest or commission."

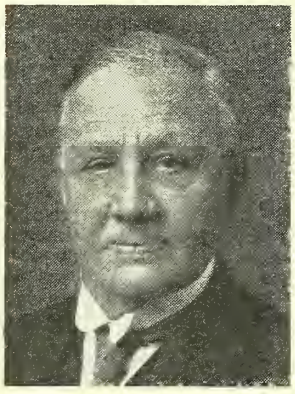
Mr. G. P. C. Vallance (Mansfield) proposed a vote of thanks to the chairman, which was carried unanimously.

Council Candidates

IN our issues of April 20 (p. 483), April 27 (p. 509) and May 4 (p. 534) were published the views of ten of the twelve candidates for election for the seven seats becoming vacant this month on the Council of the Pharmaceutical Society. We now complete the series. As our correspondence columns in this and the three preceding issues witness, interest in the coming election is greater than for several years past; and it may be hoped that this interest will take practical shape in a much larger return of voting papers than has lately been the case.

Mr. Philip Foale Rowsell, F.C.S., F.C.I.I.,

passed the Qualifying examination in 1886. After a few years as manager of the business of Holman, Ham & Co., Exeter (established in 1765), he became its sole proprietor; and in 1911 the concern was converted into a private limited company. Mr. Rowsell replies to our *questionnaire* as follows:—(1) Member and past-president of the Pharmaceutical Society of Great Britain; chairman of the Devon Insurance Committee; was a member of the following Government Committees:—Setting up National Health Insurance, 1911; Aspirin, Glassware and Alkali Committees; Food and Drugs Advisory Committee. (2) Retail, manufacturing and wholesale chemist. (3) Mayor of Exeter for three years (1921-24); Justice of the Peace for the City of Exeter and also the County of Devon; alderman and vice-chairman of the Finance Committee of the Devon County Council; member of the Council of the University College of the South-West; member of the Executive Committee of the British Chambers of Commerce.



MR. P. F. ROWSELL

Mr. Rowsell directs us to the joint letter, signed by the six retiring candidates (*C. & D.*, May 4, p. 534), for an expression of his views.

Mr. Edward Harry Simmons

gives the following details of the matters referred to in our first three questions. (1) He has been a chemist and druggist since 1896, and secretary of the Salford Pharmaceutical Committee since the inception of the National Health Insurance scheme in 1911; he is a past-president (and now a vice-president) of the Manchester Pharmaceutical Association, and late chairman of the Manchester, Salford and District Branch of the Pharmaceutical Society. (2) Mr. Simmons is a retailer who for thirty years has conducted his own business, and had eight years' experience in institution dispensing. (3) Mr. Simmons is a past-chairman of the Salford Insurance Committee, and at present vice-chairman of its Medical Benefit Subcommittee; a member of the Council and the Executive of the Proprietary Articles Trade Association; for twelve years a member of the Council of the Pharmaceutical Society, late chairman of its Benevolent Fund Committee, and for the past three years chairman of its Publications Committee.

MR. E. H. SIMMONS

As one of the six retiring candidates Mr. Simmons wishes to express his views by means of their joint letter.

Were I a Candidate

By an Observer

Were I a candidate at this Pharmaceutical Council election I should approach the questions involved with a more frank disclosure of the evidence that guided me. The official candidates criticise the method of their opponents in the cry "Stability or Stunt." At the risk of being accused of promoting a stunt, I venture to put forward a few thoughts towards stability as helpful, I trust, as anything expressed by the official candidates to the electorate. I suggest our Council secured compulsory membership and have not yet awakened to its effect upon themselves. Is there anything comparable in any profession to the principle that years after registration a name is struck off the Register unless there is paid annually a newly devised tax, one-third of which is used for a commercial enterprise? The 1933 Act gave power to set up differential fees; but the Council has ignored this, and no one, among old or new candidates, has dealt with the anomaly. Some have contended, and I think rightly, for limiting the annual charge to purposes of administration and registration. I am informed that for restoration to the new Register, if a year or more has elapsed between the first registration and the desired restoration, the cost is needlessly high, as in addition to the retention fee for the year when the lapse occurred, another fee for the current year *plus* a restoration fee must be paid. A revision of fees is evidently urgent.

The trend of the educational policy of the Society appears to be limitation, with a restriction relating to qualified individuals but not to shops. It will cut both ways. The new syllabus and regulations are designed to limit the number of apprentices entering pharmacy; and our modern economists imagine that narrowing the entrance and leaving the rear wide open will lead to more employment of qualified pharmacists. Evidently economics is not a strong point with our Council. The submission of the Society and its College to the University of London creates a new situation. A small class will become graduates, while a larger class must travel most of the academic pathway without any possible means of utilising the added knowledge arising. It would appear to be an advantage to provide the supervision of the College or School as a separate entity; it could then be better controlled financially. Again, it occurs to me that the Pharmacological Laboratories are not quite on a sound basis, and a revision of the constitution in connection with the Medical Research Council might be worth considering. It may be the spirit of unrest, but I do think the Pharmaceutical Council would be all the better if it confined its activities to the primary objects for which it was founded and constitute its commercial or semi-commercial operations on a non-political basis.

"Malnutrition" Defined

"MALNUTRITION" is a word which occurs very frequently in current medical and non-medical publications, but knowledge of its meaning would appear to be in inverse ratio to its occurrence. One of the main reasons for the present confusion is the overlooking of the fact that the state of nutrition is dynamic and not static; it is a series of continuous inter-related and inter-dependent changes which cease only with death. It is a state of flux and not of rest, and if we are to make any advance towards evaluating the nutritional state we must shape our methods accordingly. The state of nutrition of the body is the condition, in terms of normal, of the physiological processes concerned in nutrition, and these are, of course, dependent on the nature of the food eaten. Good nutrition means that the nutritional processes are proceeding in a healthy manner and that the diet is such as to make this possible. Bad nutrition, or malnutrition, means that the nutritional functions are not operating properly because of imperfections in the diet. Malnutrition in its true sense, then, is the state or states of disordered function brought about by faulty diets, and the derangements of function included under the term are as manifold as the physiological effects of deficiency or excess of any one of the twenty or so essential food constituents.—Dr. H. E. Magee in "Proceedings of the Royal Society of Medicine," 28, 6, 7b.

Pharmaceutical Society of Great Britain

Annual Report

The following are the portions of the Council's ninety-fourth annual report which are of general interest:—

Registers.—The year 1934 was the first year to be affected by the provision in the Pharmacy and Poisons Act, 1933, for the payment of a retention fee. The effect of this was to decrease substantially the number of names on the Registers. . . . In consequence, the membership of the Society, which indicates the total number of persons on the Registers, was 22,111, a decrease of 2,743. The number of student-associates decreased by forty to 792. The number of names in the Register of Pharmaceutical Chemists was 1,448, a decrease of 347. The names in the Register of Chemists and Druggists of persons not also registered as Pharmaceutical Chemists numbered 20,663, being a decrease of 2,396. The number of persons acting as superintendents of limited companies, firms or partnerships under the Poisons and Pharmacy Act, 1908, was 1,820, an increase of 126. The number of persons registered during the year as apprentices or students was 1,283, a decrease of 384.

Examinations.—The number of entries, including re-entries, for the whole or part of the Preliminary Scientific examination was 2,567, and 876 candidates passed; the corresponding figures for the Chemist and Druggist Qualifying examination were 1,434 and 792. There were eighty-three entries for the Pharmaceutical Chemist Qualifying examination, and thirty-three candidates passed; six reached the standard necessary for registration as chemists and druggists. For the examination for the Diploma in Biochemical Analysis there were thirty-two candidates, and twenty-two passed; for the examination for the Diploma in Pharmaceutical Analysis one candidate entered and passed.

Legal.—Visits were paid by the Society's inspectors to 7,145 chemists' shops and 3,647 other shops to ascertain whether the provisions of the Pharmacy Acts were being observed. After consideration of the inspectors' reports, the Council authorised proceedings in 151 cases. In addition, the inspectors obtained evidence of a number of infringements of Section 5 of the Poisons and Pharmacy Act, 1908. These were reported to the police. . . . No further sections of the Pharmacy and Poisons Act, 1933, were brought into force during 1934. . . . The Council, with the approval of the Privy Council, added to Part I of the Poisons Schedule di-nitrophenols, di-nitrocresols, and similar compounds and phenylcinchoninic acid, its salts and derivatives. . . .

Education.—The Syllabus Committee held a number of further meetings, and early in the year presented its report. In order that the views of all interested bodies might be obtained, the report was discussed at a conference to which teachers of pharmacy and representatives of the Boards of Examiners were invited, and also at a meeting of the joint committee of representatives of the Society, the Association of Technical Institutions and the Association of Principals of Technical Institutions. In the light of these discussions, the Education Committee recommended the adoption of the report with certain amendments, and their recommendation was accepted by the Council. The Education Committee then proceeded to draw up new examination regulations. . . . The proposed rules for practical training in shops to be appended to articles of pupilage were submitted to the branches for their comments, and many replies were received, in the light of which several amendments were made to the rules. The rules were also modified to apply equally to practical training in shops, hospitals and manufacturing laboratories, and then approved for incorporation in the new Examination Regulations. The Scholarships Regulations have been further revised, and in their revised form become effective on January 1, 1935. The new procedure for the approval of conditions of training in hospitals and manufacturing laboratories has been brought into force. . . . The position of pharmaceutical education in Edinburgh has been considerably improved by the agreement between the governors of the Royal Dispensary School of Pharmacy and the Heriot-Watt College for the College to absorb the Royal Dispensary School at the end of the 1934-35 session.

Finance.—The income of the Society was £95,422, an increase of £28,032, and the expenditure £76,588, an increase of £9,956. The additional income mainly resulted from increases over 1933 of £8,957 from retention fees and £18,660 from the British Pharmaceutical Codex. The amount received in examination fees was £745 less, and from registration fees £833 less. In the College there was an increase in both income and expenditure, the net cost being £1,007 more. . . . The running expenses of "The Pharmaceutical Journal" were only £500 more, notwithstanding that the Journal circulation increased by one-third. Allowing for capital expenditure, the total cost of the Journal was £276 less. The publication of the British Pharmaceutical Codex, 1934, resulted in an income of £19,382, against expenses falling in the year of £8,842. The other publications together showed a profit of £266. Decreases in expenditure include examinations £284 and British Pharmaceutical Conference £198. Increases in expenditure include: Museum, £93; library, £361, mainly the cost of re-cataloguing; and general administrative charges, £1,835, due in the main to the increased membership and introduction of certain sections of the new Act. The sum of £18,000 was transferred to the Building Fund, increasing that fund to £56,421. No transfer has been possible in recent years, owing to the cost of preparatory work on publications, which is now bearing fruit.

Statutory Committee.— . . . The Committee have drafted regulations governing their procedure, which were submitted to the Council for their observations, and subsequently to the Privy Council for approval. So far no case has been considered by the Statutory Committee, which will not become fully operative until certain further sections of the Pharmacy and Poisons Act have been brought into force. A Committee of the Council has been set up to investigate cases of alleged misconduct, and to act as complainant before the Statutory Committee in such cases as may be considered justify this course.

The Poisons Board.—At the request of the Poisons Board early in their proceedings, the Council submitted a memorandum, based upon their experience of administering poisons legislation, for consideration by the Board in the preparation of the Poisons List, and in this task the Council received valuable assistance from their Advisory Committee. At a later stage the Council were similarly requested to give their views on the storage of poisons. On publication, the Draft Poisons List and Rules were carefully considered by the Council and their Advisory Committee, and the conclusions reached upon certain alterations considered desirable were put before the Council's representatives on the Poisons Board.

The College.—The Department of Pharmacy has been reorganised, and an extensive rearrangement of accommodation has been undertaken to provide improved and increased accommodation for dispensing and for pharmacy research. This rearrangement has also released additional accommodation for the Pharmacological Laboratories to meet the growing demand for the services of the nutrition department and to make room for the greater number of persons now engaged in pharmacological research. . . .

Benevolent Fund.—The total income of the fund was £5,192, a decrease of £408. The income from subscriptions was £2,063, a decrease of £482. The expenditure on casual grants among 144 persons was £3,470 and on annuities £2,189. Four additional annuitants were elected, making a total of forty-six. The necessary expenditure on grants and annuities was £468 more than the income, a position which is accounted for by the decrease of £482 in subscriptions. It will be evident that there is a pressing need for additional income. . . .

War Auxiliary Benevolent Fund.—The expenditure from this Fund also showed an increase, being £1,567, as against £1,235. The balance of the Fund is now £5,042, of which £1,184 is reserved for maintenance of two orphans now at the London Orphan School. . . .

Organisation.—Several inquiries for rearrangement of branch areas or the formation of new branches were considered, but in no case was the change suggested considered advisable, and the number of branches and the size of their areas remained unchanged. . . . The scheme for improving the basis of student associateship, drawn up in the previous year, was not proceeded with in view of certain legal difficulties that could not satisfactorily be surmounted. . . .

Public Medical Services.—In view of the growth in the number of public medical services formed by medical practitioners in various parts of the country to supply the medical needs of dependants of insured persons and others with limited means, the Council instituted an inquiry into the extent to which pharmacists were participating in these services by supplying the necessary medicines. It was found that generally speaking the supply of medicines was being undertaken by the doctors themselves, and the Council took up with the British Medical Association the question of this work being taken over by pharmacists. Owing to the local and independent nature of the Services, it was not possible to negotiate for pharmacists to participate on a national basis, but the Association agreed to include in the model scheme and in the explanatory memorandum thereon, issued for the guidance of their local divisions, a suggestion that the advisability of utilising the services of pharmacists for the supply of medicines should be considered.

Publications.—The most important event in connection with the Society's publications during the year was the publication of the British Pharmaceutical Codex, 1934. It was the result of several years' labour, for the most part voluntary, by a large number of persons working independently and in committees; to all these the Council are greatly indebted, and in particular to the editor, Mr. C. E. Corfield. . . . Approximately 15,000 copies have already been sold. The sales of the "Extra Pharmacopœia," "Pharmaceutical Pocket Book," "Quarterly Journal of Pharmacy and Pharmacology," and "Forensic Pharmacy," the Society's "Calendar," and the remaining publications of the Society have been well maintained. . . .

British Pharmaceutical Conference.—The seventy-first meeting of

the British Pharmaceutical Conference was held in Leeds in July. 313 persons, including 132 delegates attended the full period and 148 for shorter periods. . . . The unusually large number of papers read at the Science Sessions is an indication both of the increasing value placed upon the Conference as a medium for the publication and discussion of research work and of the growing extent of that work. Ample provision was made for the comfort and well-being of the visitors by the Local Committee, who admirably organised and carried through the arrangements for the social side of the Conference ; the Council are very grateful to the committee for their work. The basis of determining the number of delegates that each branch may send to the Conference was revised in order to secure a more uniform representation of branches, and alterations were made that would result in the large majority of branches having two or three delegates and no branch having more than five. . . .

The Society's House.—The rearrangement of accommodation in the College, referred to elsewhere in this report, has only been possible at the expense of utilising parts of the library and museum as offices, and illustrates the extreme difficulty of providing for the various activities of the Society in the existing building. . . . In continuation of the consideration of the arrangements for the Society's new premises much time and attention have been given to the selection of an architect. With a view to securing the most suitable person, a large number of names have been considered ; extensive inquiries, interviews, and visits to buildings have been undertaken by the Committee concerned, and considerable progress made in the selection. Further preliminary attention has been given to the accommodation to be provided in the new building, and the means of financing its erection, but it will not be possible to reach any final conclusions until the architect has been appointed and his advice obtained. A gift of £500 from the London Committee of the British Pharmaceutical Conference, the surplus of the fund raised to entertain visitors to the London Conference in 1933, was gratefully received by the Council as a contribution towards the cost of providing club accommodation for members of the Society in the new building.

Other matters dealt with in the report include by-laws, the libraries, the museum, the orphan funds, the North British Branch, evening meetings, the League of Ex-Service Pharmacists, and the year's obituary.

The Pharmacy League

THE Pharmacy League held its second evening meeting of the present series in the lecture theatre, 17 Bloomsbury Square, London, W.C.1, on April 30, when an address on "How I Would Improve Pharmacy" was given by Mr. E. A. Atkins, Ph.C., Mr. J. T. Hope Evans presided, and there was a fairly large audience.

Referring to the activities of the Pharmacy League, THE CHAIRMAN said that in July last year the League sent a letter to the secretary of the Society in regard to the delegates' meeting at the Conference. The letter had been in the form of a resolution suggesting that the matter which was to be put before the delegates at this meeting and the speeches that were to be made should be in the hands of the delegates at least a month before the Conference so that they might study them thoroughly. Such a procedure would perhaps eliminate the suggestion that had been made to the effect that nothing concrete came out of the delegates' meetings.

MR. ATKINS pointed out that the mantle of office as chairman of the National Pharmaceutical Union Executive had recently fallen from his shoulders. He felt it was rather a relief to be a "free lance" again. Wishing the League every success, Mr. Atkins said: "It is a hopeful sign that young men and women are prepared to try to do something for themselves. I have the greatest sympathy with the youth of the present day, but I have sometimes been disappointed to find that seldom is youth trying to put things right. Therefore I wish the League success." Remarking on the title of his address, Mr. Atkins said he had never pretended to be a dictator—his only object was to suggest those things which he thought might be done in pharmacy, things which the pharmacists themselves might be able to do. Recently, he continued, there had been a great deal of talk about territorial representation. At the outset, he would say quite candidly that he was in favour of such representation, but not for the reason which seemed to be held so important by other advocates of such a scheme. For example, he did not think that territorial representation would ever result in pharmacy speaking with one voice. There would always be differences of opinion in various matters, and he saw no future at all for the plan to create pharmacy with a unanimous voice. However, he felt that territorial representation would ensure that pharmacists had the right men to represent them. It might be said that if a man was big enough, his fame would spread throughout the whole of pharmacy. But this was not always the case.

The position at the present time was that a new man did not get an opportunity to bring himself forward to the electors although he had to appeal to over 20,000 of them. It was not possible for him to make a name for himself. Put a brilliant young man up, and what chance had he in standing in competition with a member of the Council who was known throughout the country because he had spoken at many different places? Furthermore, as things were now, the cost of anyone putting up for the Council was so high as to debar any young individual. In the speaker's opinion, territorial representation would wipe out these problems. "I think the organisation should be simplified," Mr. Atkins said. "At the present time men and women in pharmacy have too many meetings to attend. Branches of the Society and branches of the N.P.U. overlap, and 60 per cent. of the work done is the same. We of the N.P.U. were anxious that this duplication should be done away with, and a delegation of the N.P.U. and the Society came to a unanimous agreement on the matter in a short time. We of the N.P.U. looked forward to a conference being called, but I am sorry to say the Council has decided that there is so much opposition in the matter that it has been dropped. I hope we shall be able to push it forward again."

Referring to a proposed new Bill, Mr. Atkins agreed that the Bill included practically everything that was wanted. Personally, he was not in favour of handing over qualification to men who had not entered pharmacy by the open door. "The point is, how are you going to get such a Bill through Parliament?" added the speaker. "It is all very well to say that we have a right to all dispensing, but would it be practical politics to ask for it at the present time? I am willing to push the Bill, but I must admit that I think it will fail." Again, he continued, it was all very well to say that drugs should be theirs entirely, but had their experience shown that it would be practical politics to ask for that? If they were able to-morrow to secure agreement between every wholesaler of drugs to stop sales to outside people, it was easy to see what would happen. There would be a want, and that want would be met by somebody. Firms would jump up like mushrooms ready to supply the want. Therefore, the object would have to be obtained by law. Even then, there were a terrific number of sources to consider. When they got to the wholesale druggists they were only starting. There were literally hundreds of small people behind these, and it would be absolutely impossible to get complete co-operation between all these people. Then there was the problem of competition from the public companies.

Was it possible to overcome the situation by legal methods? The speaker felt it was possible if the question was approached in the proper way. At present, swallowing up of the small man was going on throughout the whole of England, and the question was: was this position good for the country—was it good for the present Government? It was interesting to consider that changes in Government voting might take place if owners of small businesses were put out of business. It was obvious that every pharmacist bought up by a company was a customer lost to one or more wholesale house. Mr. Atkins outlined a scheme combining the interests of certain houses and the pharmacist. They might offer to supply the pharmacist at the very best terms on condition that if he sold his business he should sell it to them. They would not run the business themselves, as part of their concern, but would sell it to a private pharmacist and also be prepared to finance him to the extent necessary. There were many men in pharmacy who would be only too pleased to get such a chance. "I know that either one or more firms, or combinations of firms, will put forward such a scheme soon," Mr. Atkins declared. Pointing out that none of the schemes they hoped for might transpire, Mr. Atkins urged pharmacists to stand on their own feet more than they had done in the past.

Questions concerning the address were asked by Mr. M. M. Davies, Mr. Norman Dewey and Mr. E. Neville Browne. A vote of thanks to Mr. Atkins was proposed by MR. CARTER and seconded by MR. NEVILLE BROWNE.

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values.

28 Essex Street, W.C.2, May 9

GENERALLY steady conditions are reported in most directions and business is well up to average, particularly the re-export of natural products to the Continent. In pharmaceutical chemicals there is little change of importance to comment upon, with business moving on routine lines. SILVER NITRATE is cheaper with the decline in silver values. MORPHINE and CODEINE are quoted at the makers' recently advanced prices. The spot market for SANTONIN is quoted irregularly; one source reports a low value while in other directions the quotation is being maintained at the former figure of £11 per kilo.

Crude Drugs

A healthy feature of these markets is the strong shipment positions of a number of products. In these instances spot values are firm and mostly quoted below cost of replacement. AGAR to come forward is again fractionally dearer. Curaçao ALOES are very scarce and at high figures on spot, and forward business has been done at a sharp advance. The Cape product is also firm on spot. As reported last week, BUCHU is much stronger forward and anything that was offering comparatively cheap on spot has been taken up. New crop CASCARA SAGRADA is being quoted for shipment at the half-year. CHAMOMILES have sold fairly well on spot, but prices have gradually eased. The Finmarken cod fishing results have improved, but the total catch for the year is still substantially below average. DERRIS ROOT continues firm. There has been a sudden jump in ERGOT. Following the firmer conditions recorded last week, prices for Spanish, Portuguese and Russian are dearer on spot, and the shipment conditions are reported to be much firmer. West African GINGER is dearer on spot. Matto Grosso IPECACUANHA is firm on a limited supplied spot market. MENTHOL shows a slight improvement, with more interest. The Continental MERCURY group report continuance of good shipment sales. RHUBARB is fully steady and inquiry has been on a good scale. All grades of TRAGACANTH have been in steady inquiry and prices are tending firmer. BEES' WAX is firm and in limited supply.

Essential Oils

A fair amount of business is reported, mostly for spot supplies, but some of the leading lines are still neglected and remain at low values. ANISE (STAR) is firm on spot and still well under cost of replacement. BERGAMOT is neglected, so far as shipment business is concerned. CASSIA is at the higher shipment price recorded last week and spot is firm, with supplies restricted. CITRONELLAS are steady but dull. GINGERGRASS, on account of small spot stocks, is firmer. Sicilian hand-pressed LEMON is again slightly easier for shipment and is still back for the time of year. West Indian LIME has been selling fairly well in small lots on spot. ORANGE, from all sources, has been dull. Still no offers of PATCHOULI for shipment; spot moving slowly. Japanese PEPPERMINT has been selling rather more freely and prices tend to recover a little. SPEARMINT continues irregular, both spot and forward.

Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	May 9	Value of the £
Amsterdam ...	Fl. to £	12·107	7·15	11/9¾
Berlin	Mks. to £	20·43	12·04	11/9¼
Brussels	Belgas to £	nominal	28·60	16/2½
Copenhagen ...	Kr. to £	18·259	22·40	24/8
Lisbon	Esc. to £	110	109¾	19/11¾
Madrid	Ptas. to £	25·22½	35⅜	27/10¼
Milan	Lire to £	92·46	58 23/32	12/8¼
Montreal	Dol. to £	4·86⅔	4·85¼	19/11¾
New York	Dol. to £	nominal	4·84	19/11¼
Oslo	Kr. to £	18·159	19·90½	21/11
Paris	Fr. to £	124·21	73 15/32	11/9⅜
Prague	Kr. to £	164·25	115¾	11/9¾
Stockholm	Kr. to £	18·159	19·39½	21/4
Warsaw	Zloty to £	43·38	25 5/8	11/9¾
Zurich	Fr. to £	25·2115	14·95	11/9¾

Bank rate 2 per cent.

A drug auction will be held at the Commercial Sale Rooms, Mincing Lane, on Thursday next, May 16.

Pharmaceutical Chemicals, etc.

BUSINESS on a normal scale, with the market showing but little change on the week. Continental products are, in most instances, still being quoted on spot at under cost of replacement.

AMMONIUM ICHTHOSULPHONATE.—Market is steady; business fair: one cwt., 1s. 6½d., in 14-lb. tins; 1s. 8d., in 1-lb. tins; 1s. 10½d., in 8-oz. tins; and 2s. 0½d. per lb., in 4-oz. tins.

ASPIRIN.—Business continues on a good scale; market steady: home trade, ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d.; 28 lb., 2s. 9d.; 14 lb., 2s. 10d.; 7 lb., 3s.; 4 lb., 3s. 2d.; 1 lb., 3s. 4d. per lb. Bulk packing free, net, carriage paid. Contracts: Over twelve months, minimum, one ton; over six months, less than one ton.

BARBITONE.—Cheap spot material. No change in Continental forward prices: two cwt., 15s 3¾d.; 56 lb., 15s. 8d.; small parcels, up to 16s. per lb., ex store.

BENZOIC ACID (B.P.).—Quite a good inquiry; quotations competitive: quantities, ex works, 1s. 9½d.; spot parcels, 1s. 10d. to 2s. 2d. per lb., ex store, as to quantity.

BISMUTH SALTS.—Makers' prices for these salts are quite steady. Carbonate, cwt. lots, 6s. 8d.; 8 lb., 7s. 3d.; smaller parcels, 8s. 6d. per lb., carriage paid.

BROMIDES.—This market is very steady; ammonium, not less than five cwt., 1s. 9d.; one cwt., 1s. 10d.; 28 lb., 2s. 1d.; smaller quantities, 2s. 5d. per lb.; potassium B.P. crystals and granular, not less than five cwt., 1s. 6d.; one cwt., 1s. 7d.; 28 lb., 1s. 10d.; smaller quantities, 2s. 2d. per lb.; sodium B.P., not less than five cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s.; smaller quantities, 2s. 4d. per lb.; without engagement. Special prices for larger quantities.

CAFFEINE.—Continental material to come forward is quoted as follows: Pure, two cwt., 7s. 1d.; one cwt., 7s. 3¼d.; 56 lb., 7s. 5¼d.; less than 56 lb., 7s. 7¼d. per lb. Citrate, two cwt., 5s. 1¾d.; one cwt., 5s. 2¾d.; 56 lb., 5s. 3¾d.; less than 56 lb., 5s. 4¾d. per lb., 5-lb. tins free, carriage paid. Other salts quoted proportionately. British is unchanged: 56 lb., 7s. 9d.; less, 8s. per lb. Citrate, 56 lb., 5s.; less, 5s. 3d. per lb.

CHLORAL HYDRATE.—Makers' prices continue at former rates: duty-paid crystals, in 14-lb. free containers, five cwt. 3s. 1d.; one cwt., 3s. 2d.; 28 lb., 3s. 3d.; 14 lb., 3s. 4½d. per lb.; 28-lb. jars one penny per lb. extra.

CITRIC ACID (B.P. CRYSTALS).—British makers are quoting at 11¾d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

CODEINE.—Makers' prices are as follows:—

	4 oz.	3 oz.	2 oz.	1 oz.
	s. d.	s. d.	s. d.	s. d.
Pure	25 6	25 9	26 6	28 0
Sulphate	22 0	22 3	23 0	24 6
Phosphate	19 6	19 9	20 6	22 0

Quoted net. Smaller quantities at higher prices.

CREAM OF TARTAR.—A steady business is being done, with British 99 to 100 per cent. quoted at 79s. per cwt., less 2½ per cent. discount, nominal and without engagement. Dealers' prices for imported material at level figures.

GUAIACOL (CRYSTALS).—Prices for Continental material to come forward: 28-lb. jars, 10s. 0½d.; 14-lb. jars, 10s. 2½d.; 1-lb. bottles, 10s. 8½d. per lb., ex store. Liquid: 28-lb. demijohns, 9s. 6½d.; 14-lb. demijohns, 9s. 9½d.; 1-lb. bottles, 10s. 0½d. per lb., ex warehouse.

GUAIACOL CARBONATE.—Continental prices are still maintained: one cwt., 11s.; smaller parcels, 11s. 3¾d. per lb.; spot offers at well under these figures.

HEXAMINE.—Business continues to be mostly in powder: B.P. powder, from 1s. 3¼d. to 1s. 4½d.; free-running crystals, from 1s. 7d. to 1s. 8d. per lb., carriage paid, for bulk lots. Dealers quoting free-running crystals, two cwt., 1s. 8½d.; one cwt., 1s. 9d.; 14 lb., 1s. 10½d.; smaller parcels, up to 2s. per lb., carriage paid.

HYDROQUINONE.—A very fair inquiry is being received: one cwt., 4s. 6¾d.; 56 lb., 4s. 8¾d.; 28 lb., 4s. 10¼d.; 14 lb., 5s. 1¼d. per lb., carriage paid.

IODIDES.—No change in makers' prices for these salts. Potassium Iodide, B.P., one cwt., 5s.; 28 lb., 5s. 2d.; 14 lb., 5s. 4d.; 7 lb., 5s. 8d.; 4 lb., 6s. 2d.; smaller quantities, 6s. 8d. per lb.

MERCURIALS.—Makers' prices are fully maintained. Chloride, B.P., one cwt., 4s. 9d.; less than one cwt., 4s. 10d. per lb., carriage paid.

METHYL SALICYLATE.—Not much inquiry at the moment. Spot, ten cwt., 1s. 5d.; five cwt., 1s. 5½d.; one cwt., 1s. 6d.; less than one cwt., 1s. 7d.; small quantities, in bottles, up to 2s. per lb.

METHYL SULPHONAL.—Quiet, with cheap spot offers. Continental forward prices unchanged: one cwt., 19s. 9¼d.; 56 lb., 20s. 2¾d.; small parcels, 20s. 8¼d. per lb.

MORPHINE.—Makers' prices are as follows:—

	4 oz.	3 oz.	2 oz.	1 oz.
	s. d.	s. d.	s. d.	s. d
Pure	33 0	33 3	34 0	35 6
Tartrate	33 0	33 3	34 0	35 6
Acetate	26 9	27 0	27 9	29 3
Hydrochlor.	26 9	27 0	27 9	29 3
Sulphate	26 9	27 0	27 9	29 3
Diacetyl hydrochlor.	32 6	32 9	33 6	35 0
Ethylmorphine hydrochlor.	25 6	25 9	26 6	28 0

Quoted net. Smaller quantities at higher prices.

PHENACETIN.—Demand quiet; market competitive. Bulk quantities, crystals or powder, 2s. 7d. to 2s. 9d.; smaller parcels, 2s. 9½d. to 3s. per lb.

PHENAZONE.—The scale for home trade is as follows: crystals, five cwt., 8s. 9¾d.; two cwt., 9s. 0½d.; less, 9s. 3d. per lb.; powder, 2½d. per lb. extra. Export prices to the Empire, quoted f.o.b. Continent: five cwt., 8s. 9d.; two cwt., 8s. 11d.; less than two cwt., 9s. 1d. per lb. To other destinations, quoted in marks: 250 kilos., 11.25 marks; 100 kilos., 11.50 marks; less, 11.75 marks per kilo., f.o.b. Continent.

POTASSIUM PERMANGANATE (B.P.).—Good demand for small parcels. Spot, five cwt., 10¼d.; one cwt., 10½d., in drums; smaller packings, 10¾d. to 1s. per lb.

POTASSIUM SULPHOGUAIACOLATE.—Market is neglected and irregular. To come forward, two cwt., 6s. 2d.; less, 6s. 4½d. per lb. Cheaper offers on spot.

PYROGALLIC ACID.—Makers' prices continue at the reduction recently notified. Crystals, one cwt., 6s. 3d.; 56 lb., 6s. 6d.; 28 lb., 6s. 9d. per lb., net; 14 lb., 7s. 6d.; 7 lb., 8s. 3d.; less than 7 lb., 8s. 9d. per lb., less 2½ per cent., 7-lb. tins free, carriage paid. Wholesale distributors' prices for smaller quantities would be dearer.

QUININE SALTS.—Prices for these salts are maintained in sterling. Sulphate, 2s. 2d.; bisulphate, 2s. 2d.; ethyl carbonate, 2s. 10d.; salicylate, 2s. 10½d.; phosphate, 3s. 4d.; hydrochloride, 2s. 8½d.; bihydrochloride, 3s.; hydrobromide, 2s. 8½d.; bihydrobromide, 3s.; valerianate, 3s. 8½d.; hypophosphite, 4s. 0½d.; alkaloid, 3s. 0½d. per oz., carriage paid on bulk quantities; 100-oz. tins free, smaller packing extra.

SALICYLIC ACID (B.P.).—Market has received less attention lately: five cwt., 1s. 7d.; one cwt., 1s. 7½d.; 28 lb., 1s. 8d.; 14 lb., 1s. 9d.; 7 lb., 1s. 11d.; 4 lb., 2s. per lb.

SANTONIN.—One first-hand supplier reports their price is now £10 5s. per kilo., and in other directions higher figures are being quoted, in the region of £11 per kilo.

SILVER NITRATE.—Makers' prices are cheaper with the decline in silver values. 1 oz., 2s. 6d.; 2 to 24 oz., 2s. 3 15/16d.; 25 to 49 oz., 2s. 2 15/16d. per oz., carriage paid, bottles extra. Quotations move with silver values.

SODIUM BENZOATE (B.P.).—Fair inquiry; market competitive. Bulk quantities, 1s. 6d.; one cwt., 1s. 7d.; smaller parcels, 1s. 8d. to 1s. 10d. per lb.

SODIUM SALICYLATE (B.P.).—Market is quiet: home trade, crystals or powder, five cwt., 1s. 8½d.; one cwt., 1s. 9d.; 28 lb., 2s.; 14 lb., 2s. 2d.; 7 lb., 2s. 3d.; 1 lb., 2s. 6d. per lb.

SULPHONAL.—Cheap spot quotations. Continental forward prices unchanged: crystals or powder, one cwt., 15s. 10¾d.; 56 lb., 16s. 6d.; smaller parcels, up to 17s. 7½d. per lb.

TARTARIC ACID (B.P. CRYSTALS).—British makers are quoting at 1s. 0½d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

THEOBROMINE.—Continental material is quoted as follows: pure, two cwt., 7s. 0½d.; one cwt., 7s. 2¼d.; 56 lb., 7s. 4¾d.; less than 56 lb., 7s. 6¾d. per lb. Soda salicylate, two cwt., 6s. 1¼d.; one cwt., 6s. 2¼d.; 56 lb., 6s. 3¼d.; less than 56 lb., 6s. 4½d. per lb., 5-lb. tins free, carriage paid. Other salts quoted proportionately.

THYMOL.—Occasional inquiry; quoted unchanged: synthetic, fine white, two cwt., 5s. 7d.; one cwt., 5s. 9d.; 56 lb., 5s. 11½d.; 28 lb., 6s. 3½d.; 14 lb., 7s. per lb.; ex ajowan seed, one cwt., 8s. 3d.; 56 lb., 8s. 6d.; 28 lb., 9s.; 14 lb., 10s. per lb.

VANILLIN.—Very fair inquiry, with Convention prices fully steady. Ex clove oil or guaiacol, five cwt., 13s. 3d.; one cwt., 13s. 6d.; 56 lb., 13s. 9d.; less, 14s. per lb.

Crude Drugs, etc.

AGAR.—Spot is quiet but fully steady; shipment is again quoted dearer. Kobe No. 1, 2s. 1½d.; No. 2, 2s.; Yokohama No. 1, 1s. 11d. per lb.; shipment, Kobe No. 1, 1s. 9½d.; No. 2, 1s. 8½d.; Yokohama No. 1, 1s. 8d. per lb., c.i.f.

ALOES.—Curaçao on spot are now very scarce, and the price would be from 90s. to 100s. per cwt.; shipment has advanced and close up to 82s. 6d. per cwt., c.i.f., has been paid. Supplies of Cape are limited, with spot at 45s. 6d. and shipment at about 42s. per cwt., c.i.f.

ANTIMONY.—Chinese crude is quoted at £26, c.i.f. English regulus, £76 to £77, spot.

BALSAMS.—Occasional spot business. *Tolu*, 1s. 5d. *Canada*, 3s. 6d. *Peru*, 5s. 6d. per lb. for small parcels on spot.

BELLADONNA.—Business of small account. Spot, leaves, 65s.; root, 57s. 6d. per cwt., in small parcels.

BUCHU.—Confirmation of the firmer tone in the shipment market reported last week has been received, with offers of rounds in the region of 1s. 2d., c.i.f., and ovals up to 11½d. per lb., c.i.f. On spot fair to good green rounds are quoted up to 1s. 2d. per lb. for the best.

CANTHARIDES.—Practically no interest in spot offers. Russian, 6s. 6d. to 6s. 9d. Chinese, about 2s. 9d. to 2s. 10½d. per lb., for small parcels.

CASCARA SAGRADA.—Cables offering new crop, June-July shipment, have been received with the price asked 32s. 6d. per cwt., c.i.f., for minimum 5-ton lots.

CHAMOMILES.—Prices on spot continue to sag a little but a fair business has been done in the better quality flowers; prices ranging from 170s. to 192s. 6d. per cwt., as to grade.

CLOVES.—Market is quiet but steady. Zanzibar, spot, 6d.; shipment, May-June, 6⅛d. per lb., c.i.f. Madagascar, 5¼d., in bond; shipment, May-June, 5d. per lb., c.i.f.

COCOA BUTTER.—Prime English is quoted from 8¾d. to 9¼d. per lb., as to quantity. Foreign, 8½d. to 9¼d. per lb.

COCONUT (DESICCATED).—Values are maintained; market quiet. Spot, fine, 22s.; medium, 20s. 6d.; shipment, halves, May-June, 20s. 6d. per cwt., c.i.f.

COD-LIVER OIL.—Finmarken fishing results to May 4 were as follows: 91,035 tons of cod and 56,787 hectol. of oil, compared with 124,470 tons of cod and 76,972 hectol. of oil at the same date in 1934, and 119,005 tons of cod and 69,805 hectol. of oil in 1933. The shipment market for finest Lofoten steam-refined non-freezing medicinal oil is steady at about 90s. per barrel, c.i.f. London. Spot, in small lots, 135s. per barrel, ex store, duty paid. Newfoundland, non-freezing medicinal oil, 130s. per barrel, ex store. British non-freezing medicinal oil is now quoted at 110s. to 112s. 6d. per barrel, c.i.f. London, duty free, while quotations from another home source are at higher figures.

DAMIANA LEAVES.—Dealers continue to quote this season's leaves at about 1s. 3d. per lb. for small spot lots.

DERRIS ROOT.—Market continues firm. On spot, 1s. 2d. to 1s. 3d., according to ether extract. A parcel testing about 4.5 rotenone, on spot, is offered at 1s. 4½d. per lb. The shipment market is firm; ether extract, 1s. 2d. to 1s. 3d., c.i.f., as to test, and 4 per cent rotenone, 1s. 3¾d. per lb., c.i.f., Singapore test.

ERGOT.—Much firmer conditions are reported here. First-hand suppliers of Russian have advanced their spot price up to 1s. 5d for small parcels. Any Spanish and Portuguese available on spot would be about 1s. 6d. at least. Portuguese is sparingly offered for shipment at 1s. 6½d. per lb., c.i.f., and no Spanish offering.

GENTIAN.—Market has been quieter of late, with spot values from 36s. to 37s. 6d. for clean root.

GINGER.—Again dearer; market fully steady. West African, spot 36s.; for arrival, 34s., c.i.f. Jamaican, small grinding, 72s. 6d. to 75s.; bold, in barrels, 90s. to 100s. per cwt., spot.

GUM ACACIA.—Values are keeping about steady; business restricted: spot, Kordofan cleaned sorts, 47s. 6d.; bleached, 85s. to 90s. per cwt. shipment, Kordofan cleaned sorts, 44s. to 45s. per cwt., c.i.f.

HYDRASTIS.—Prices are keeping well up despite slow demand Spot, 6s. 3d.; shipment, 6s. per lb., c.i.f.

IPECACUANHA.—Holders of the limited stocks of Matto Grosso on spot are not inclined to sell at less than 5s. per lb.

LIQUORICE ROOT.—Plenty of natural root available at about £12 per ton; demand slow. Decorticated steady at 45s. to 46s. per cwt., spot

MENTHOL.—The spot market has been subdued, but there has been a steady demand from the Continent for parcels near afloat. Prices tend steadier and slightly better on the week. K/S brands, spot 11s. 9d.; in bond, 10s. 6d.; afloat, 10s. 6d.; shipment, May-June 10s. 4½d.; October-December, 10s. 3d. to 10s. 4½d. per lb., c.i.f. sellers. Japanese shippers quoting 10s. 7½d. per lb., c.i.f.

MERCURY.—The Spanish-Italian group reported business is sustained in good volume, with the shipment price steady at 55 dollars per bottle, f.o.b. Continent. Small lots on spot selling at £11 11s per bottle, ex store.

OPIUM.—Business seems to have been quiet. Dealers offering spot at 1s. 5d. to 1s. 5½d. per unit, ex store.

PEPPER.—Market remains dull. Lampong, 3¼d., in bond; shipment, March-May, 3⅜d.; August-October, 3 7/16d. per lb., c.i.f. Tellicherry, spot, 5d.; shipment, August-October, 44s., c.i.f. Aleppy, spot, 5d.; shipment, August-October, 46s. 6d. per cwt., c.i.f. White Muntok, spot, 10d.; shipment, all positions, 9d. per lb., c.i.f.

PIMENTO.—Market has been slack. Spot, 2d. to 2⅛d. per lb.; shipment, May-June, 18s. 3d. per cwt., c.i.f.

RHUBARB.—Spot supplies of Shensi are well held at 3s. 6d. to 3s. 10½d. per lb., with practically nothing offered for shipment. Rough round, all pinky is quoted on spot at 1s. 4d. and part pinky at 1s. 3d. per lb., with fair inquiry being received.

RUBBER.—Values level on the week, market steady; fair business. Standard ribbed smoked sheet, spot, 5⅝d.; May, 5⅝d.; June, 5⅝d.; July-September, 5¾d.; October-December, 5⅞d.; January-March, 6d. per lb.

SEEDS.—ANISE.—Spot, duty-paid Bulgarian, 32s.; and Spanish, 35s. CARAWAY.—Dutch quoted 35s., spot, duty paid; 28s. 6d., f.o.b. CORIANDER.—Spot, Morocco, 13s. 6d., duty paid, and 12s. 3d., in bond. It is reported that the new crop will be ready for shipment at the end of this month. CUMIN.—Morocco, 55s., spot, duty paid; 50s., in bond. FENUGREEK.—Morocco remains firm at 15s., spot, duty paid; 12s., c.i.f., quoted for shipment. MUSTARD.—English, 24s. to 33s. per cwt., according to quality.

SENEGA.—Spot holders are quoting in the region of 1s. 3d. per lb., with shipment quotations at 1s. 2d. per lb., c.i.f. Not much business moving.

SENNA.—So far this week this commodity has been rather neglected, but values for Tinnevelly and Alexandrian are being steadily maintained at former figures. According to a report published in *The Indian Trade Journal* of April 18, the area sown with the senna crop up to the end of March, 1935, in the districts of Ramnad and Tinnevelly is estimated at 2,000 acres. The sowings of the crop were restricted owing to the partial failure of the north-east monsoon. Sowings of the crop on wet lands are proceeding. The condition of the crop on dry lands is not satisfactory.

SHELLAC.—Market has remained dull. Spot, standard TN orange, 45s. to 50s.; fine orange, 100s. to 150s.; pure button, 95s. to 100s. per cwt. For delivery, TN, May, 43s. For arrival, TN, May-June, 48s. per cwt., c.i.f.

STRAMONIUM.—Dealers are receiving small inquiry, with good green leaves quoted up to 50s. per cwt. spot, in small lots.

TONQUIN BEANS.—Spot supplies of fair frosted beans are held firmly for 2s. 9d. per lb.

TRAGACANTH.—There has been a very fair general demand this week, particularly for druggists' qualities, for which prices now range from £15 to £28 per cwt. Manufacturing grades have also met with more business and are quoted from 90s. to £6 per cwt. There is a tendency for spot values to harden, on account of the limited spot stocks and the firmer conditions at the source.

WAX.—BEES': Spot supplies are getting low and holders' prices are slighty firmer. Abyssinian, spot, 107s. 6d.; shipment, 96s., c.i.f. Benguella, spot, 105s.; in bond, 96s.; shipment, 95s., c.i.f. Conakry, spot, 106s.; shipment, 96s., c.i.f. Dar-es-Salaam, spot, 105s.; shipment, 100s., c.i.f. CARNAUBA.—Offers from origin are limited and firm. Spot market quiet, but steady. Fatty grey, 142s. 6d.; shipment; May-June, 142s. 6d., c.i.f. Chalky grey, 140s.; shipment, May-June, 138s., c.i.f. Primeira, 220s.; shipment, May-June, 190s., c.i.f. Mediana, 210s.; shipment, May-June, 180s. per cwt., c.i.f.

Essential Oils, etc.

A STEADY business, general in character and of fairly good volume, is reported this week. Anise (Star) is again dearer. Cassia is also moving up. Gingergrass is short on spot and firmer. Sicilian lemon is dull. Japanese peppermint has sold fairly well on spot. Spearmint is irregular.

ANISE (STAR).—The spot market is firm, with supplies limited; shipment is again dearer and well over current spot figures. Spot, "Red Ship," in leads, 2s. 3½d.; in tins, 2s. 2d.; in drums, 2s. 1d. Shipment, in leads, 2s. 5¼d.; in tins, 2s. 4d.; in drums, 2s. 3d. per lb., c.i.f.

BERGAMOT.—This market shows no improvement and shipment is now quoted from 5s. to 5s. 4½d. per lb., c.i.f., but little interest is shown. Spot oil is selling slowly at from 5s. to 5s. 6d. per lb.

BOIS DE ROSE.—The Brazilian oil is steady on spot at 5s. 7½d. to 5s. 9d., with shipment at 5s. 7½d. per lb., c.i.f. Cayenne is offering in the region of 10s. 3d., c.i.f.

CANANGA.—The sparingly made shipment offers are firm at about 11s. 3d., c.i.f. Spot oil, as to seller, up to 13s. per lb. for small parcels.

CARAWAY.—Small business only. Dutch rectified, 10s. 3d. to 10s. 6d. per lb., landed. Crude, about 6d. per lb. less.

CASSIA.—The holders of spot oil are in most instances not anxious to clear their stocks, and are firm at 5s. per lb. The shipment quotation, with only a few offers made, is firm at 4s. 9d. per lb., c.i.f.

CITRONELLA.—These items are steady but business for this market is disappointing. Ceylon, shipment, about 1s., c.i.f., in drums; spot, in drums, 1s. 2¼d.; smaller parcels, up to 1s. 4½d. per lb. Java, shipment, about 1s. 2d., c.i.f. for drums; spot, about 1s. 4d., in drums, and up to 1s. 6¼d. per lb. for small lots.

CLOVE.—Madagascar for shipment is rather easier at 2s. 7d., c.i.f., in drums. On spot, drums, 3s. 1½d.; smaller packing, up to 3s. 4½d. per lb.

GERANIUM.—Bourbon for shipment is steadily quoted at 20s., c.i.f., with spot oil mentioned at about 21s. 6d. per lb. Some Algerian is advised at 22s., c.i.f., with spot oil in small lots about 24s. per lb.

GINGERGRASS.—Spot supplies are short and values tend firmer and are now ranging up to 5s. 3d.; shipment is nominal at 4s. 6d. per lb., c.i.f.

HO (SHIU).—Due to the stronger shipment conditions good oil on spot is keeping steady at about 1s. 9d. to 2s. per lb., as to quantity.

JUNIPER BERRY.—A little business, with a good quality oil costing about 3s. to 3s. 3d., as to quantity, and the finest up to 5s. per lb. for small parcels.

LAVENDER.—Market is steady but dull: genuine Mt. Blanc, 38 to 40 per cent., is offered at 26s. to 28s., landed; a good quality at about 21s. 6d. to 23s.; and other offers are down to 17s. 3d. per lb., landed. Lavandin is steady and quoted at about 13s. per lb.

LEMON.—Interest in the shipment market for Sicilian hand-pressed is poor for the time of year and quotations are about 4s. 2d. to 4s. 3d. per lb., c.i.f., as to brand. Spot oil is being freely offered at about the same figures, but the demand is so far unimportant. There is little doubt that a revival of good business in this oil would stiffen the market. Californian is unchanged. Spot, in large drums, 2s. 5d.; in small drums, 2s. 5½d. per lb.

LEMONGRASS.—At the lower prices recorded last week there has been more interest in the shipment market, which is quoted at about 2s. 10½d. per lb., c.i.f., for near positions; spot oil, about 3s. 4d. per lb.

LIME.—There has been quite a nice business in small parcels of West Indian distilled, with prices in the region of 24s. per lb.

MANDARIN.—The shipment market continues strong, with good quality oil at about 14s., c.i.f. Small spot parcels are mentioned from 14s. 6d. to 15s. 6d. per lb.

NUTMEG.—Market steady; small business. English-made oil, 5s. 3d. to 5s. 4½d. per lb., as to quantity.

ORANGE.—Some oil described as Sicilian sweet has been offered at 10s. 6d., but owing to lack of interest and few offers the market is nominal at about 11s. per lb., c.i.f. Bitter orange is quoted at about 7s. 3d. per lb., c.i.f. Comparatively little business in French Guinea oil, with the shipment price about 2s. 7½d. per lb., c.i.f. Drums, on spot are about 3s. 1½d., and smaller lots up to 3s. 4½d. per lb. Californian is steady on spot: one case, 2s. 6½d.; two or more cases, 2s. 4d.; drums, 2s. 3d. per lb.

PALMAROSA.—Spot prices range about 6s. 6d. and some are dearer. Shipment is at 6s. 4½d. to 6s. 6d. per lb., c.i.f.

PATCHOULI.—There is still nothing offering from the source to come forward. Spot holders' ideas of prices range from 10s. 7½d. up to 11s. per lb., as to quantity. Some business has been done on spot at keen prices.

PEPPERMINT.—A fair amount of spot business and the market is keeping steady. Spot, 3s. 10d.; afloat, 3s. 9d.; shipment, May-June, 3s. 7½d.; October-December, 3s. 4½d. per lb., c.i.f. sellers. Japanese shippers quoting 3s. 10½d. per lb., c.i.f., for May-June. The American natural oil, on quotation, ranges from 2 dollars 55 cents to 2.85 per lb., in drums, c.i.f., but inquiry for this market is negligible.

PETITGRAIN.—Quoted unchanged; market quiet. Spot, about 4s. 2d.; shipment, 3s. 8d. per lb., c.i.f.

SANDALWOOD.—Genuine East Indian Mysore, 19s. per lb., in one-case lots, on spot; some outside oil is reported to be offering at lower prices. English-made East Indian, 22s. 6d. to 25s. per lb., as to quantity. English-made West Indian, cwt. lots, 6s. 9d.; 56 lb., 6s. 10½d.; 14 lb., 7s. per lb. Australian, case lots, 15s. 6d. per lb.

SASSAFRAS.—Not much doing here; good natural oil offering on spot at about 4s., with artificial at cheaper prices.

SPEARMINT.—The spot market for this product is still very irregular and it is evident there is a fair quantity still to be cleared at well under cost of replacement, being stocks that were landed some time ago. Sales have been made down to 7s. 9d., while other sellers are asking up to 8s. 7½d. per lb. The shipment market also ranges from 7s. 2d. to 7s. 10d. per lb., c.i.f.

SPIKE.—Dealers are receiving but few inquiries for spot oil, which is quoted steadily at 5s. 6d. per lb. for Spanish.

VETIVERT.—Shipment offers of a few small lots of Bourbon have been received, and work out at about 38s. 3d. per lb., c.i.f. On spot sellers are asking 39s. to 40s. per lb. for small parcels.

WORMSEED.—Occasional small spot business at former rates. Spot, 9s. 3d.; shipment, 8s. 3d. per lb., c.i.f.

Correspondence

Letters should be written on one side of the paper only. Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Council Election

SIR,—If territorial representation means anything, it is the division of our membership values into areas proportional to those resident therein. Approximately those areas must have the same value as electoral units. I thought the meaning of my use of the term "proportional representation" was self-evident. I apologise to Mr. Heap, but I think that a reduction of an annual seven votes to one to be able to make it a personal vote is a heavy price to pay for splitting 23,000 members into seven or perhaps twenty-one little bits. Nothing destroys unity more than the intrusion of local interests into national policy, and the reaction would be more acutely felt in a limited profession. Mr. Barrs assures me he gave deep thought to his comments: I thank him for the assurance. What beats me is how any man to-day can suggest that 10,000 proprietors should deny the privilege of equality in representation to 13,000 who for the most part are employed persons and suffer just as much from competition as Mr. Barrs. Our present system of election is not satisfying by any means; but the remedies offered to produce a perfect Council fail to convince me that we should get any better results in our professional or public service.

Yours, etc.,
HERBERT SKINNER.

Royal Northern Hospital, N.7.

SIR,—The breezes are blowing, and there is a great twittering in the pharmaceutical dovecotes. This morning brings us a sextet by six of the old brigade in unison, the reply of our American friends to which would be "Sez you!" . . . If electors return the old crowd again they will have no one to blame but themselves. We need a change, and the time to get this is now—or forever hold our peace. But a word to those candidates who may be elected; remember you will be returned to carry out the wishes of the majority electing you, who are now definitely determined to suffer no more riding of hobby-horses. Now, fellow members, "vote!" let us give new blood a chance, and put a stop to "hush, hush" and flurry.—Faithfully yours,

H. B. HAMMOND.

Thornton Heath.

SIR,—Almost on the eve of the counting of the votes, my thoughts go out to all young pharmacists, proprietors of pharmacies, those members of the Society in public service, and last, but not least, our women pharmacists. None can fail to gain considerably from my policy, which means reserving to pharmacists that for which the State requires a specialised training and examination. To obtain this, the many problems which beset pharmacy must be tackled, and not one decision allowed to be shelved indefinitely. The destiny of our profession rests on the vote, and I cannot do anything further without fullest support.—Yours faithfully,

J. F. MCNEAL.

Little Chalfont.

SIR,—The president, officers and council of the Liverpool Chemists' Association would very much appreciate the support of members of the Society to Mr. L. Moreton Parry, the nominee of the Association and Liverpool Branch for the Council election. He has served pharmacy loyally for twenty-two years and merits your further confidence.—We are, etc.,

GEORGE L. CLUBB,
Chairman, Liverpool Branch of Pharmaceutical Society, President Liverpool Chemists' Association;
WM. E. HUMPHREYS,
Hon. Secretary, Liverpool Branch and Liverpool Chemists' Association.

Liverpool.

SIR,—May we, through the courtesy of your columns, draw the attention of members of the Society to the candidature of Messrs. A. R. Melhuish and C. A. Noble, both of whom are past-presidents and active members of the Western Pharmacists' Association? The committee ask for support and votes at this election on their behalf. They have served us well in the past and are prepared to devote their energy, experience and time to our service in the future.—Yours, etc.,

DAVID T. JONES, President;
P. D. GOODWIN, Hon. Secretary.

London, W.1.

SIR,—In your editorial article on "Viewpoints for Voters" (*C. & D.*, May 4, p. 543), the reminder was needed that there are other pharmacists on the Register besides those engaged in retail business, and that they also require representation on the Council. Under "Reservation of Dispensing," I am pleased to see you draw attention to the extra responsibilities chemists would incur, because some men I have spoken to seem to think they could carry on as at present with the addition of the dispensing of medicines which would no longer be supplied from the surgeries. I have had experience of the Continental system; and although undoubtedly the status of the pharmacist is higher than it is here, it has to be lived up to in service. Where doctors are not allowed to supply medicine there must be a continuous pharmaceutical service, and where there is only one pharmacy the twenty-four hour service becomes servitude. In the country districts of France one pharmacy will serve three or four communes or villages, and I knew one *pharmacien* who had not left his premises for years. The third point you make is the "Cost of Contest." In this connection one may notice the practice of retiring councillors of issuing a joint address to the electorate; I would point out that in some respects it does not produce the effect intended because it suggests the idea of a "clique," and it tends to rule out individual views or independent action.—Faithfully yours,

ELECTOR (7/5).

Pharmacies and Bill Hoardings

SIR,—When will advertisers of patent medicines and toilet articles realise that chemists do not pay rents and rates in order to offer free advertising stands for reproduction of newspaper advertisements? Scarcely a day passes without the postman delivering one of these specimens with the request to paste it on the window and link up with the advertisement. Some firms will pay from £1,000 to £1,500 for a full-page advertisement, yet glibly ask 10,000 business men to expose the same on their windows free—under the guise of increasing turnover! It is good to know that 99 per cent. of these bills find their way to the waste-paper basket. Nevertheless, it is an insult to the intelligence of the chemist to expect him to do otherwise. The same may be said of many offers of "free" window-show material. It has often been stated that the window pays the rent, but to make it into a bill hoarding for other people's benefit is surely not the way.

Yours truly,
QUID PRO QUO (14/1).

Mephitic Meetings

SIR,—A recent note on "mephitic meetings" may suggest one reason why the attendance at chemists' meetings is frequently so small. It is not apathy alone, but the physical discomfort of a smoke-laden and poisonous atmosphere, that prevents many members of local branches from putting in an appearance. The meeting place of the branch to which I belong is probably one of the most obnoxious in the country. It is a basement room under a restaurant; the ceiling is certainly not more than eight feet above the floor; and there is no means of ventilation that I have ever been able to discover. Within half an hour of the beginning of a meeting the speaker is almost hidden from sight in a haze of tobacco smoke; and the streaming eyes and stertorous breathing of the audience show the extent of their discomfort. No wonder that lethargy overspreads the assembly, and that when the time comes for questions and discussion the response is feeble and small. What brain can be sprightly and attentive under such conditions? The sequel is a headache and a general feeling of malaise. When we grumble at the accommodation provided we are told that we are driven to resort to this underground

en by lack of funds. Out of its abundance (largely subscribed y the members) the Society might surely increase its grants o the local branches, so that country members, who seldom ever have an opportunity of visiting headquarters, might at east be enabled to hire suitable rooms for their local neetings.—Yours faithfully,

GASSED (16/4).

Dispensing at Tariff Rates

SIR,—On reading the letter of "Qualified in 1878" (*C. & D.*, March 30, p. 410) one gathers the impression that insurnce dispensing cannot be looked on as a helpful adjunct or s improving the status of pharmacy. He says that in indusrial districts the chemist dispenses out of a Winchester quart, nd one assistant can turn out 100 scripts a day. But inluded in the turning out of 100 scripts daily is the work of aking stock mixtures and solutions, filling up dispensing ottles, sorting out scripts and so on ; and if all that work is one regularly every day the actual dispensing must be done rapidly that it develops into the kind in which bottles are anded out to customers unwrapped. I am certain one ssistant could not turn out 100 scripts a day in my locality ; e only time I have done so was during a big influenza pidemic, and then the shop hours went by the board. I ree that in a residential area insurance work can be a uisance, and the only reason for undertaking it is to meet e requirements of the servants of the family customers. But es your correspondent really think the private chemist will go west "? Not the man who has a personal business, who the friend and adviser of his customers, who keeps his harmacy bright and clean and packs his own drugs and proietaries.—Faithfully yours,

FIFTY A DAY (8/4).

Dispensing Notes

Male Fern Emulsion

J. J. S. (5/3) asks for the best means of dispensing the llowing draught:—

Ext. filicis liq.,		
Pulv. tragacanthæ,		
Syr. zingib.	aa.	ʒj.
Aq. cinnam.	ad	℥j.

[It would be impossible to turn out a good draught if the ection given by the prescriber were strictly adhered to. e drachm of tragacanth will make nearly eleven ounces of icial mucilage of tragacanth. A number of hospital pharmapœias contain a formula similar to the following—taken m the Pharmacopœia of the Hospital for Sick Children:—

Ext. filicis liq.	ʒss.
Spt. cinnamonii	♏iv.
Syrupi	℥ij.
Mucilag. acaciæ	ʒj.
Aq. chlorof. ... ... ad	℥ss.

This makes an excellent emulsion. In view of the general actice when this emulsion is required we suggest the follow:—Mix ext. filicis liq. 2 drachms with pulv. acaciæ 2 chms, and cinnamon water 4 drachms to make a primary ulsion, add a further 4 drachms of cinnamon water, syrup. giberis 2 drachms, mucilag. tragac. 2 drachms, and finally ke up to 2 ounces with cinnamon water.]

Aspirin and Potassium Citrate

B. C. (4/6) inquires if the following prescription should m a clear mixture:—

Ac. acetylsalicyl...	ʒiij.
Potass. citrat.	ʒiv.
Caffein citrat.	ʒij.
Tr. card. co.	ʒij.
Aquam ... ... ad	℥viij.

[The mixture requires two additional drachms of potassium rate to make a clear solution. Mix the acid. acetylsalicyl. d potass. cit. together in 5 ounces of water ; 1 drachm will t dissolve. Dissolve caffeine citrate in 2 ounces of warm tilled water, mix with the former, add the tincture and ke up to 8 ounces with distilled water. Label "Shake the ttle." Of the insoluble drachm about 11 grains will disve in the 8 ounces of water, and a further few grains might dissolved in the diluted tincture. The remainder will not m an unsightly mixture, so need not be suspended with gum or mucilage. Many dispensers prefer, however, to add pulv. tragac. co., one drachm, to ensure a perfect mixture.]

Tannic Acid and Alum

J. H. (16/1) has made the following gargle for years, and except that it becomes flocculent after keeping, he has had no trouble. Recently, however, there was a heavy precipitate, and "J. H." asks: Is it the tannin?

Alum	℈j.
Ac. sulph. dil.	℥v.
Glyc. ac. tannic...	ʒvj.
Tr. capsici	♏xvj.
Inf. rosæ acid.	℥viij.

[Tannic acid, or glycerin of tannic acid, gives a slight precipitate with alum. The glycerin helps to prevent precipitation for a time. If the alum is dissolved in the infusion made with addition of the acid, and the glyc. ac. tannic. added last, no immediate precipitate should come down, but on standing it gives a precipitate, though not what would be described as a heavy one.]

Magnesium Sulphate and Glycerin

"We should be glad if you would give us the correct method of dispensing the following prescription," writes "M. P." (15/2). The prescription is for saturated solution of magnesium sulphate in glycerin, and our correspondent's product was a thick transparent jelly, whereas the customer brought in a sample which was "more like zinc and castor oil cream."

[The universally used preparation of magnes. sulph. and glycerin is Morrison's paste or pasta magnes. sulph. This consists of exsiccated magnesium sulphate 40 with glycerin 60 (there are varieties of strengths). This preparation may have been in the doctor's mind—it was evidently the preparation brought as a sample. The most frequent complaint about the preparation is that it becomes solid in from twenty-four to forty-eight hours for reasons we need not here indicate. Magnes. sulph. exsicc. with glycerin., B.P., made rapidly to avoid absorption of water from the air, is used for its hygroscopic value. Many think that the glycerin only is of value for this—hence a possible explanation of the prescription. We have made it as follows:—(A) Exsiccated magnesium sulphate, 3 dr.; glycerin, 2 fl. oz. (B) Crystalline magnesium sulphate, 3 dr.; glycerin, 2 fl. oz. Both were rubbed intimately together in a hot mortar. After twenty-fours hours B was the nearest approach to the prescription and, we think, the correct method of making it.]

Subscribers' Symposium

For interchange of opinion among "C. & D." readers and brief notes on business and practical topics.

Appreciation

In renewing my subscription I am more than ever convinced of the value of the services rendered by THE CHEMIST AND DRUGGIST. I have been a subscriber over twenty years.—*F. A. L.* (27/4).

What Is Intended?

W. T. B. (3/5) writes:—"There appears to be a diversity of opinion as to what should be dispensed when "syrup. glycerophos." or "syrup. ferri phos." is ordered in a prescription. It would be interesting to have your readers' opinions."

Gargles

The theory that gargles are largely ineffectual in use (*C. & D.*, April 27, p. 516) is not a new one to me. Some few years ago I dispensed a number of prescriptions for a doctor who argued that gargles and mouth washes were useless, because they were not held in the mouth for a sufficiently long period of time to promote any action. He said that the minimum time to hold the fluid to have any effect should not be less than five minutes before ejecting it. A favourite prescription with some prescribers is for the familiar potassium chlorate and iron mixture, which is ordered to be used as a gargle first and then swallowed. I have never been able to see the reason for this procedure, because one would think that any infectious matter which might be removed by gargling is swallowed instead of being ejected.—*Collut* (8/5).

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

W. L. (12/4).—WORMS IN PIGS.—Oil of chenopodium is a valuable remedy if given properly and individually after twenty-four hours' fast. The result is well worth the trouble and cost. According to "Veterinary Counter Practice" for round worms give santonin and ferri sulph., and for the tape-worm class areca nut. Santonin and areca nut, followed after an interval of forty-eight hours by a dose of Epsom or Glauber's salt at discretion, are safe. These agents may be given in a very small quantity of milk or sloppy food after fasting twenty hours. Oil of chenopodium has been given to pigs for worms in the following doses with great success:—Eight weeks, 20 minims; 12 weeks, 30 minims; 6 months, 60 minims; 12 months, 120 minims. The proportion works out at 10 minims per month of age. It might be advisable to reduce the dose for the younger animals, and certainly for the smaller kinds. The dose is given in one or two tablespoonfuls of linseed oil. Some authorities have recommended giving 60 minims per 100 lb. body weight, with castor oil. Each pig must be dosed separately after twenty-four hours' fast, and the dose is followed next day by a dose of salts.

J. B. (15/4).—FOUNDATION CREAM.—A foundation cream with the following formula gives a very close approximation to the sample submitted:—

Cer. alb. ...	½ dr.
Ac. stearic.	1 oz.
Paraff. liq.	1 oz.
Pot. hydrox.	24 gr.
Sodii boratis	20 gr.
Aq. dest. ...	7½ fl. oz.

Triethanolamine gives a smoother cream and is equally good. It is used by replacing the pot. hyd. and sod. boratis with 2 drachms of triethanolamine.

P. W. (12/4).—POLISH FOR MARBLE.—Fine rottenstone, emery powder, and putty powder are used for this purpose; the last-mentioned is employed by making it into a thin paste with water and rubbing with thick felt or a pad of moleskin. An alternative preparation could be made as follows:—

Tin oxide	2 oz.
Calcium carbonate	3 oz.
Hard paraffin	2 oz.
Oil of turpentine	4 oz.

L. M. G. (19/4).—FACIAL MUD PACKS.—The various recipes may be divided into three classes: (1) Those consisting of kaolin or other clay and water (with or without perfume); (2) those containing a grease, oil or cream; and (3) those containing an active chemical ingredient. Typical of the first class is:—

Kaolin	5 oz.
Calamine	1 oz.
Sodium benzoate	7 gr.

This preparation is usually sold in the form of a powder to which water must be added before use. Sometimes a little glycerin and a few drops of perfume are included in the powder.

The second class may be represented by:—

Kaolin	32 oz.
Sodium benzoate	1 dr.
Cold cream	4 oz.
Water	a sufficiency
Perfume	a sufficiency

The sodium benzoate is dissolved in the hot water, which is then allowed to cool and the perfume is added. The liquid is next mixed with the kaolin and finally the cold cream is added. Instead of cold cream, any suitable grease or oil may be used.

J. S. (29/10).—PRESERVING SKINS.—The following preparation is used for cleansing and preserving skins of animals:—

Yellow soap	1 lb.
Lime	1 oz.
Camphor	1 oz.
Arsenic	1 oz.
Alum	1 oz.

Mix and rub well into the skin.

Formulas for other preparations used by taxidermists for preserving and treating skins are given in "Pharmaceutical Formulas," Vol. II.

J. V. M. (19/4).—HAIR REVIVER.—If it is something in the nature of a dye which your customer requires it would seem that hydrogen peroxide 10 vol. is indicated. As a stimulating lotion, the following is a useful preparation:—

Aromatic spirit of ammonia	℥ij.
Glycerin	℥j.
Tincture of cantharidin	℥ss.
Rosemary water to	℥xx.

If a preparation of the lime cream or brilliantine type is required, either of the preparations given below could be supplied:—

Citron Cream for the Hair

A

White wax	℥x.
Almond oil	℥ivss.
Castor oil	℥v.
Olive oil	℥xiiss.

Melt by the heat of a water bath.

B

Oil of lemon	℥v.
Oil of bitter almond	♏xij.
Benzoic acid	ʒj.
Gamboge	ʒj.
Alcohol (90 per cent.)	℥j.

Dissolve the gamboge in the alcohol, filter, and mix the oils and acid with the filtrate.

Add B to A in small quantities at a time, shaking well. Next add the following, assiduously shaking:—

Citric acid	ʒiss.
Distilled water	℥v.
Glycerin	℥v.

If carefully made this turns out a golden-coloured semi-fluid preparation.

J. N. B. (26/4).—WAX POLISH.—The following are among the chief solvents of carnauba wax: Turpentine, turpentine substitute (white spirit), alcohol (methylated spirit or other denatured alcohol), benzin, petrol. There are also several solvents sold under various trade names. Most of these solvents mix with trichlorethylene. It is usually necessary to melt the wax and pour the solvent over it. Sometimes it is convenient to heat the solvent as well as the wax. It may be desirable to melt the carnauba wax, dissolve it in an equal weight of turpentine, and then add this solution to that of the other waxes in trichlorethylene.

Retrospect of Fifty Years Ago

Reprinted from "The Chemist and Druggist," May 15, 1885

Opposition to Poisons Bill

The Chemists' Trade Association called a meeting of the members of the London drug trade to aid in the opposition to the Poisons Bill . . . Mr. John Harrison (Sunderland), president of the Association, was in the chair. . . . He made a short, vigorous speech, saying that if such a Bill as this became law chemists would become the slaves of the Privy Council. Neither did he believe that such a Bill would promote the safety of the public. Mr. F. Andrews (London) moved the first resolution:—"That this meeting of pharmaceutical chemists and registered chemists and druggists of the Metropolis, whilst anxious to assist the Government in carrying out regulations for the greater security of the public in the sale or distribution of poisons if proved to be necessary, regrets that the Poisons Bill recently introduced into the House of Lords is in some respects impracticable, and in others so injurious, that it is compelled to offer the most strenuous opposition to its passing into law." . . . Mr. Greenish said it was quite hopeless to try to amend the Poisons Bill. No Bill could be satisfactory unless surgeries were brought under some control. It was utterly impossible for the Privy Council to frame suitable regulations even with the aid of their distinguished experts. . . . The resolution was passed unanimously.

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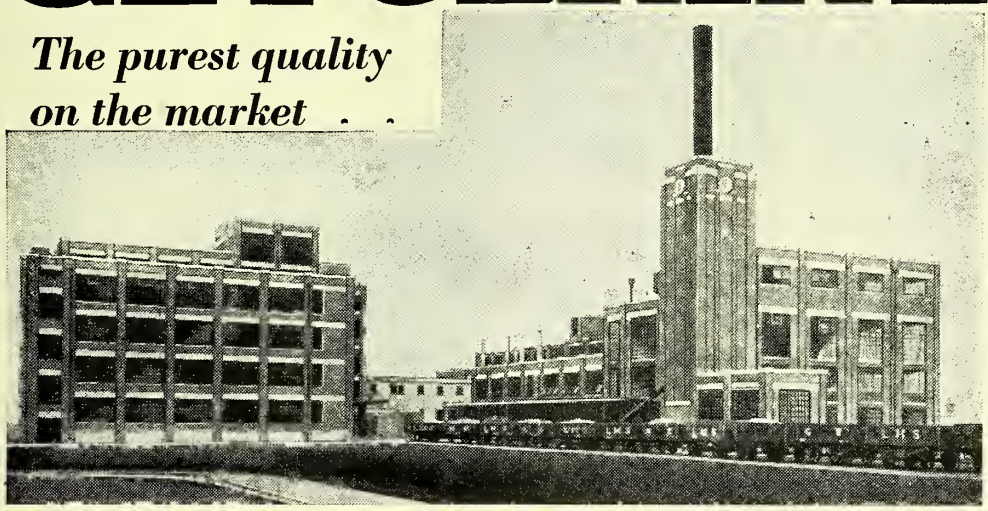

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Schieffelin & Co., Inc., New York
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Thos. Hubbuck & Son, Ltd.

ESTABLISHED 1765

24 Lime Street, London, E.C. 3

MANUFACTURERS OF WHITE LEAD, WHITE ZINC, PAINT, OILS, COLOURS, VARNISHES, &c.

Australian Office: 34 Queen Street, Melbourne

ZETT NOW REDUCED IN PRICE

Last season Zett helped thousands of women to make more and better home-made jam—and it helped to swell the profits of every retailer who handled it. This year the demand for Zett will be greater than ever, with greater opportunity for you to benefit, because Zett is now reduced in price.

~~7½d~~ 6D ~~1/2~~ 10½D ~~2/-~~ 1/6

(Per Packet)

NEW REDUCED TRADE PRICES—THE SAME GENEROUS PROFIT

4/6 7/10 13/6

(Per dozen nett)

What ZETT is

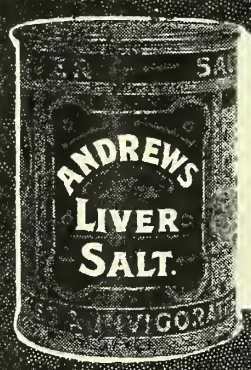
Zett is simply pure fruit pectin compound in convenient powder form. Pectin is the natural element in fruit which makes jam set. By using Zett and thus supplying extra pectin, any woman can make beautiful jam with only 5 minutes' boiling.

Frequent and effective advertisements for Zett will appear in important women's papers all through the jam-making season. Take full advantage of this advertising and of the new economy prices. Order a good stock of Zett at once. If desired, we shall be pleased to send you up-to-date advertising material, showcards and recipe booklets.

ZETT

Pure Fruit Pectin Compound—contains no gelatine.

BOVRIL LIMITED
148-166 OLD ST., LONDON, E.C.1.



The largest Sale in the United Kingdom and the British Empire

9D & 1/4

Customers will be Asking for this Skin Ointment!

WHITE TAR

Brand Ointment (Regd.)

FOR ALL SKIN TROUBLES

Stocked by the leading Wholesalers. Sold in Tins 1/-, 2/- and 5/-. Supplies can be forwarded direct per return (post free) and charged through usual wholesalers.

A NATIONALLY ADVERTISED PRODUCT

TILLOTT'S LABORATORIES, 70 MARSHAM ST., WESTMINSTER, S.W.1

ESTABLISHED 1793.

ATKINSON & BARKER'S INFANTS' PRESERVATIVE

The Best and Safest Infants' Medicine of 140 years' standing.

Does not contain any Scheduled Poison.

ROBERT BARKER & SON, LTD.,
13 WESLEY ST., C. on M., MANCHESTER.

WE SUPPLY

DECORATED TINS

FOR PACKING

OINTMENTS

AND OTHER PRODUCTS.

SAMPLES AND PRICES UPON REQUEST.

THE CALDICOT TIN STAMPING WORKS LTD.
CALDICOT, Nr. CHEPSTOW, Mon.

FIRST & STILL FIRST

The original and only

"PEN" Brand Series

Registered

Is the original and only Iodine Pen "Pen" Brand and is the best seller of all. Beware of cheap imitations. It is guaranteed free from leakage—and, although it has a host of imitators, it has never been improved upon.

Remember when your customers ask for an IODINE PEN or a MIDGE PEN they expect to receive the original "PEN" Brand.

HERE IS THE COMPLETE "PEN" BRAND SERIES

IODINE	Application	"PEN"
MIDGE	"	"PEN"
AMMONIA	"	"PEN"
MOSQUITO	"	"PEN"
CORN	"	"PEN"
CHILBLAIN	"	"PEN"
CUTICLE	"	"PEN"
PEROXIDE	"	"PEN"

Wholesale prices still further reduced

4/6 per dozen. 4/- per dozen—3 dozen and upwards.
Carriage paid on 3 dozen lots.

Protected Retail Price 6d. each.

EPHEDROL BRAND

the standard and safest remedy for HAY FEVER —Profit to the Chemist

78% on cost. Attractive show material available.

3/- retail: 23/- per dozen. 22/- per dozen for three dozen.
1/6 retail: 12/- per dozen. 11/- per dozen for three dozen.

Bonus of one to every dozen. *Carriage paid on three dozen.*

Manufactured and Invented by **CLAY & ABRAHAM, LTD.,** *Manufacturing Chemists,*
LIVERPOOL. *London Agents:* **Messrs. THOMAS & LINTON, Ltd., 4 Gray's Inn Rd., London, W.C.** *Tel.: Holborn 5518*

Month by Month the Sales go up

Chemists who are taking advantage of our Advertising by displaying Cystex tell us that Sales increase every month. What is your experience? Remember, Cystex is being advertised once, twice and three times a week in over 200 of the best papers in the country. Cystex is already the outstanding Kidney and Bladder Cure in Canada, South Africa and the United States —an equal success in Great Britain is certain.

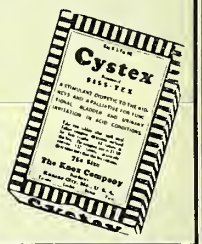
Make sure you have your share by ordering a stock of Cystex Brand Tablets *now* on our "guaranteed sale" terms. Any wholesaler can supply you.

Two sizes, **3/-** and **6/-** less **25%**

Sole Distributors: G. M. Williams & Co., 81 Lambs Conduit Street, London, W.C. 1

Cystex BRAND **KIDNEY & BLADDER TABLETS**

(Pronounced Siss-tex)



EMULSION LACTOBACILLUS ACIDOPHILUS

The most economical and efficient form of acidophilus therapy. Indicated in the treatment of intestinal stasis.

12 oz. Bottles 4/6

E. H. SPICER & CO., LTD.

WATFORD, HERTS.

THIS HOUSEHOLD REMEDY HAS A BIG SALE

Cephos REGD

Pronounced See-foss

THE PHYSICIAN'S REMEDY

Retails at 1/3 and 3/- in powders or tablets

Single Powders 2d. each

For
COLDS & CHILLS
HEADACHE
RHEUMATISM
NEURALGIA
LUMBAGO
SCIATICA

from your usual wholesaler or write direct

SHOWCARDS & DISPLAY MATTER
Sent upon application to Cephos Ltd., Blackburn, whether you obtain supplies from us or elsewhere.

Cephos Ltd. Blackburn

PACKED or BULK

WE SPECIALISE IN MANUFACTURING AND PACKING

CUSTOMERS' PRIVATE FORMULÆ

READY FOR SALE

CONFIDENCE AND FIDELITY TO FORMULA GUARANTEED

IF YOU HAVE AN IDEA FOR A MARKETABLE PREPARATION CONSULT US ABOUT IT

GALE, BAISS & Co., Ltd.

CANTERBURY ROAD, S.E.15

Telephone: NEW CROSS 0094 Telegrams: "DREADNOUGHT" PECK LONDON

Paraffinum Liquidum B.P.

ALL GRADES SAMPLES & PRICES On application to

ALSO TECHNICAL QUALITIES

WHOLESALE ONLY

Sterns Ltd.

16, Finsbury Sq., London, E.C.2

Telephone: National 7644 (7 lines).
Telegrams: Centumvir, Phone, London.

'EX-LAX' ADVERTISING IS GOING UP!

In December 1934 'Ex-Lax' spent on advertising 10 times as much as all the other chocolate laxatives in Britain combined.

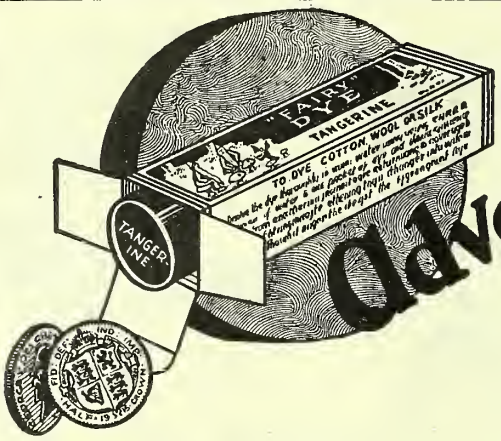
During January and February 1935 'Ex-Lax' spent 75 times as much!

Such is the great sales creating force behind you when you display 'Ex-Lax.' Skilful advertisements—millions of them—appear each week, arousing curiosity, urging on custom, **raising your profits,** all of them saying "Get 'Ex-Lax' from your Chemist."

Now, in addition to appearing in the great National press, 'Ex-Lax' announcements are regularly featured in the leading provincial papers. More emphatically than ever, then

...you can't get stuck if you stick to

EX-LAX BRAND



Advertised goods yield quick Profits

FAIRY DYES

are big sellers—always in popular demand. They mean quick turnover and liberal profits. Fairy Dyes are forging steadily ahead and you should periodically inspect your stocks.

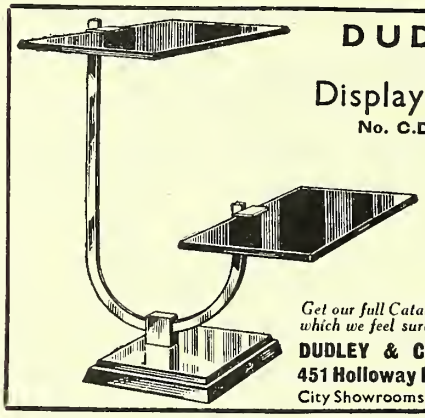
Retailed at **2d.** per tube—attractively packed. 31 shades and colours.

Be wise—stock

Fairy Dyes

LONDON DEPOT: 292 UPPER ST., ISLINGTON - N. 1

FAIRY DYES, LTD., GLASGOW, N.W.



DUDLEYS *for* Display Fittings

No. C.D.F. 5278

Chromium-Plated Stand
12" high with 2 Black Glass Shelves size 10" 6"
12/- each.

Get our full Catalogue No. C.D.1610 which we feel sure will interest you.

DUDLEY & COMPANY, LTD.
451 Holloway Rd., London, N.7
City Showrooms: 65 Fore St., E.C.2

SHELLAC

Its Production, Manufacture, Chemistry, Analysis, Commerce and Uses
By ERNEST J. PARRY, B.Sc., etc.

This book covers the whole field of the shellac industry and is of special interest to research chemists. It explains the principles involved in modern processes, clearly and fully, and describes numerous researches. 240 pp. **12/6 net**

Order from a bookseller, or direct from
PITMAN, Parker St., Kingsway, London, W.C.2

OPTICAL TUITION

FOR THE
S.M.C., B.O.A. and N.A.O. DIPLOMA Examinations

Particulars :—
C. A. SCURR, F.S.M.C., F.B.O.A., F.N.A.O., F.I.O., F.C.O., M.P.S.
50 HIGH STREET, BARNET, LONDON, N.

GET A LINE ON GOOD BOXES

ROBINSONS OF CHESTERFIELD

will quote quickly for round, square & folding cardboard boxes

CLERKENWELL 3684

CHESTERFIELD 2105

LONDON:
168 Old Street
CHESTERFIELD:
Wheat Bridge Mills

THIS DISPLAY SELLS 'ASPRO'

& BRINGS CUSTOMERS INTO YOUR SHOP

The window display illustrated above definitely sells 'ASPRO'. It connects up with the largest advertising campaign of its kind in the world. When you display it, you get the benefit of 'ASPRO' advertising just as though you paid for the advertisements yourself—the non-displayer loses customers and loses profit. The present change of the weather conditions is causing a great demand for 'ASPRO'. We suggest, therefore, that if you have an 'ASPRO' display you show it. If you have not one—then write us to-day, and we will send the above set by return of post. Do not forget, either, the 'ASPRO' service of Chemists' envelopes and bags. They are good business pullers—they save you money. Let us assure you here that our sales activities are being vigorously pushed. House-to-house broadsheeting is in operation, backed by heavy national advertising. We advertise 'ASPRO' continuously. If you keep on displaying 'ASPRO' advertising material, 'ASPRO' customers will keep on coming to you.

AN 'ASPRO' WINDOW STICKER

'ASPRO' consists of the purest Acetylsalicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

Agents: GOLLIN & CO. Pty. Ltd.
('ASPRO' DEPT.)
SLOUGH, BUCKS. Phone: Slough 608

Made by ASPRO LTD., SLOUGH, England

No proprietary right is claimed in the method of manufacture or the formula.

'ASPRO' REG. TRADE MARK

Sangers give you the Service you want

Swift, reliable delivery of whatever goods you need—meticulous attention to the details of your order—care in packing and in accounting.

These are the chief points of the service that Sangers make available to you—a service that saves you all worry and trouble in connection with the delivery of supplies.

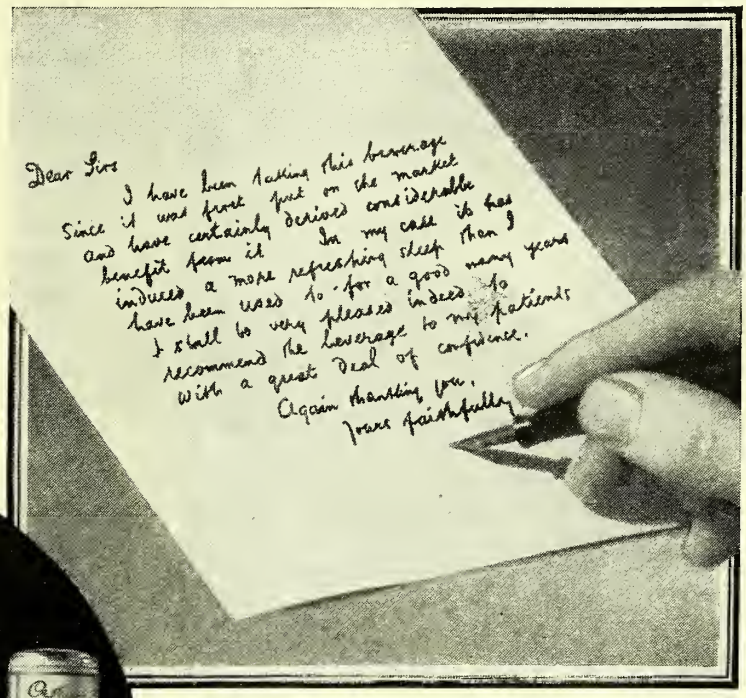
Send *your* order to Sangers.

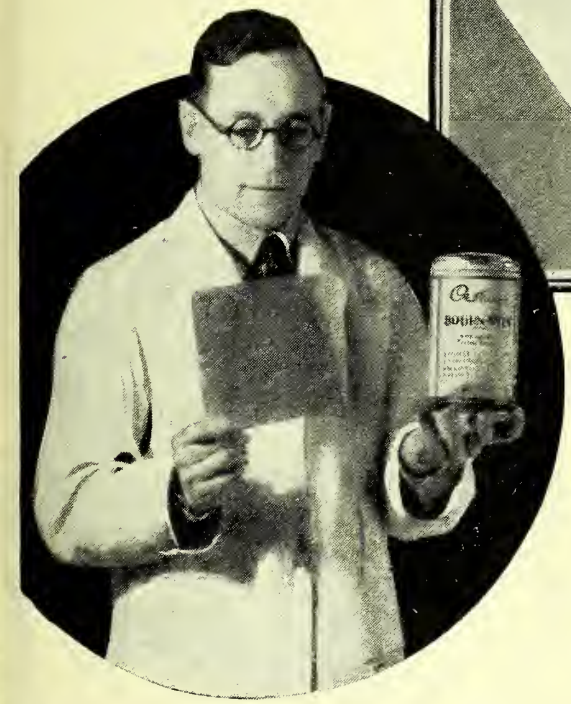
Sangers LIMITED

258 EUSTON RD., N.W.1. Phone: MUSEUM 5440. *Also at* 7-13 CLERKENWELL RD., E.C.1.

Branches: BRISTOL: 40-1 Redcliff Street. CARDIFF: Tredegar House, Hope Street. LIVERPOOL: 67-73 Duke Street. NEWCASTLE-ON-TYNE: 46/50 Elswick Road. PLYMOUTH: 32-3 Kinterbury Street. IRISH FREE STATE: Grand Canal Quay, Dublin, C. 6

THE MEDICAL PROFESSION RECOMMEND IT . . . .





You

CAN RECOMMEND IT TO YOUR CUSTOMERS WITH ABSOLUTE CONFIDENCE

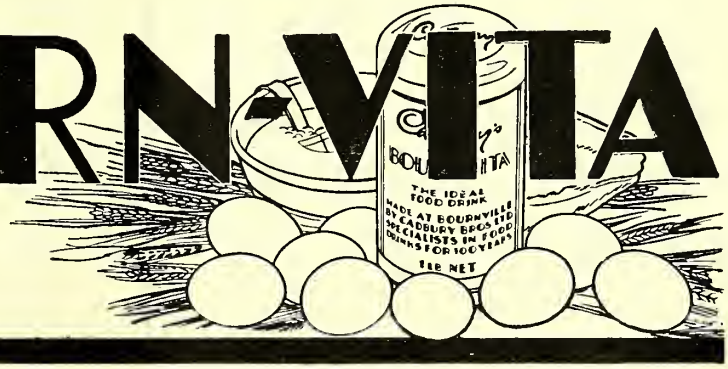
Bourn-vita is the result of years of careful research work in the Cadbury Laboratories. It is a scientifically balanced food drink with a high diastatic content, and so is a great aid to digestion.

Bourn-vita has been steadily increasing in popularity ever since it was placed on the market a few years ago, and has been regularly recommended by the Medical Profession, particularly as an aid to sound sleep.

Here is a product that you can recommend to **your** customers with perfect confidence.

Cadbury's

BOURNVITA



FOR DIGESTION SLEEP & ENERGY

Bertons' Economy Sanitary Towel

1. To be nationally advertised as from July 1st in the leading Ladies' Journals
2. Retail Prices show clear 50% on cost
3. Supplied direct from manufacturer or through usual wholesaler
4. Trade enquiries invited

Retail Prices
Size 1—1/- PKT.
" 2—1/6 "
" 3—1/9 "
" 4—2/- "
" 5—2/6 "

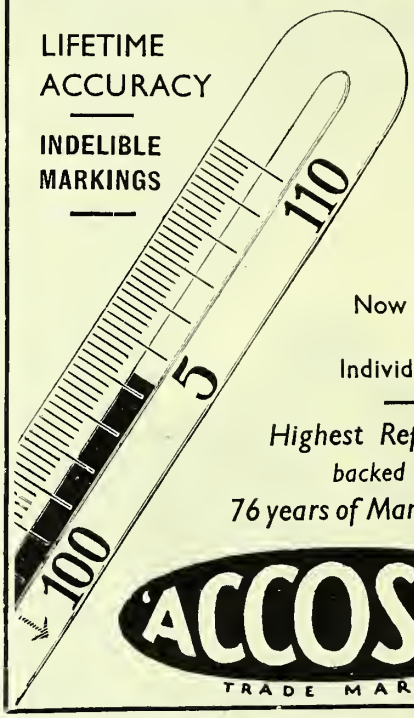
One packet lasts half as long again as the old style packet. They are a boon to the woman who is at business or out of doors all day

Arthur Berton Ltd. BRITANNIA HOUSE, OLD ST. LONDON E.C.1
MANCHESTER: 30 CHAPEL STREET
GLASGOW: 29-31 DUKE STREET
Phones: Clerkenwell 1346-7-8-9
Wires: "Aybelim, Finsquare, London."

CLINICALS

LIFETIME ACCURACY

INDELIBLE MARKINGS



EASY TO READ

Now Presented in Individual Cartons

Highest Reputation backed by 76 years of Manufacturing

'ACCOSON'
TRADE MARK

A. C. COSSOR & SON (Thermometers), Ltd., London, N.4

SOUTHALLS
SANITARY TOWELS

All the year round publicity, appearing in virtually every newspaper and magazine read by women, ensures steady sales to the dealer who stocks Southall's products.
The "ORIGINAL" and most popular.
The "CELTEX" soluble, easily disposed of.
The "K" made entirely of absorbent cotton wool, with very soft cover.
The "COMPRESSED" for travelling. A very popular line.

SOUTHALLS (BIRMINGHAM) LTD.

FIVEPOINT REGISTERED
HYPODERMIC SYRINGES & NEEDLES

FIVEPOINT SYRINGES ARE
1 Annealed to stand high sterilization
2 Pistons a precision fit
3 Joints are hermetically sealed
4 Calibrations are accurate
5 British

Original-Records and Two-piece glass syringes all sizes and graduations

GENERAL SURGICAL CO., LTD.
Gensurco House, Rosebery Av., LONDON, E.C.1
Phone: Clerk. 6046

COMPOSITION STOPPERS
BAKELITE MOULDINGS
COMPACTE COSMETIC & ROUGE BOXES

200 Varieties Any Colour.

A suitable Composition Stopper will enhance the selling value of your package. Let us fit your Bottles and quote you.

W. J. SHARPLIN, Ltd. *Telephone: Mountview 0952*
Middle Lane Works, Hornsey, LONDON, N.8

Armstrong's

TAPER (A) CORKS

ARMSTRONG CORK CO. LTD.,
ALDWYCH HOUSE, LONDON, W.C.2

SCHOLL

LARGE - SPACE ADVERTISING CAMPAIGN HAS STARTED!

SCHOLL Advertising, which continues all the year round, increases in scope and size of space at this time of the year.

Whole pages and other large dominating spaces will appear frequently in all the important newspapers from now onwards.

Parts of these large-space advertisements will be devoted entirely to Dr. Scholl's Specialities, among them Bunion Reducer, Foot Powder, Toe Flex, Bath Salts, Foot Cream, Walk Strates, Arch Binder, Stocking Protector, Tarso Pads and Zino Pads.

This is the time to make a Scholl Window Display—to bring to you your share of the demand created by Scholl Advertising. Never was the public more aware of its need for foot comfort—never were the opportunities greater for you to profit by public foot consciousness.

• • •

The separate advertising campaign for Dr. Scholl's Zino Pads continues with striking and compelling advertisements similar to the one you see illustrated here.

National newspapers and the main provincial newspapers are used in this Dr. Scholl's Zino Pad all-the-year advertising drive which never ceases.

Put in a **SCHOLL WINDOW DISPLAY NOW!**

• • •

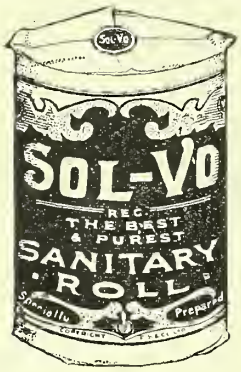
ORDER FROM YOUR WHOLESALERS

• • •

THE SCHOLL MFG. CO. LTD.

182-194 ST. JOHN STREET, LONDON, E.C.1

Telephone - - - - - - - - - - CLERKENWELL 9723



SOL-VO

REGD

TOILET PAPER

PURE - SOFT - HYGIENIC

(Completely Wrapped)

SELLING AIDS.

A display Showcard and "Personal Hygiene" leaflets with every order.

750 perforations to every roll.

No dirty edges, completely wrapped and sealed.

3 Doz. @ 6/- Doz. 6 Doz. @ 5/9 Doz. 12 Doz. @ 5/3 Doz.

CARRIAGE PAID—NET

FORD, SHAPLAND & CO. LTD.

PRINTERS & WHOLESALE STATIONERS,

GREAT TURNSTILE, HIGH HOLBORN, LONDON, W.C.1

Telephone: HOLBORN 4695.

FOR SURGICAL APPLIANCES OF QUALITY

GO TO

HEWARDS

OF

TWICKENHAM

MANUFACTURERS OF

SPRING & ELASTIC TRUSSES, LADIES' & GENTS' ABDOMINAL & SUPPORTING BELTS, ELASTIC HOSIERY (SEAMED & SEAMLESS), SUSPENSORY BANDAGES, AND ALL KINDS OF APPLIANCES

THE

R. H. HEWARD COMPANY

CROWN ROAD WORKS

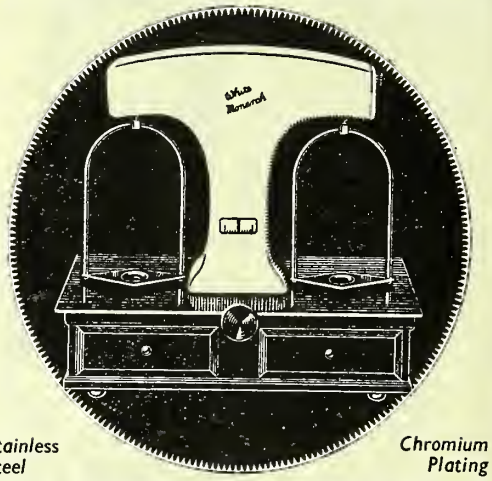
TWICKENHAM - - MIDDLESEX

'Phone: Popesgrove 2094 'Grams: Beltruss, Twickenham

WHITE MONARCH

THE

MODERN ENCLOSED DISPENSING BALANCE



Stainless Steel *Chromium Plating*

Entirely protected from dust and fumes by the white porcelain enamelled housing. Strongly made to withstand hard usage and yet retain its sensitivity

ASK YOUR SUNDRIES HOUSE TO SHOW YOU ONE

WILLIAM A. WEBB, Ltd.

4/5 Skinner Street, London, E.C.1

Free to Chemists

Supplied free on receipt of your order for contents—2 each 3″ and 3½″ NORVIC Blue Carton Crêpe Bandages and ¼-doz. VIC Wrist Supports, assorted colours. Total cost 8/-, retail price 12/1

★ **Chromium-plated**

Order the new

NORVIC Reg'd

counter stand from your wholesaler

A small display of NORVIC Crêpe Bandages and VIC Wrist supports always brings a profitable return. This free offer of a distinctive chromium-plated display stand enables you to provide an unusually attractive display, taking up the very minimum window or counter space. Occupying only 8½″ × 4½″, solidly built and beautifully finished, it is a most useful all-the-year-round aid to sales.

Sole Manufacturers of "NORVIC" Crepe Bandages Grout & Co., Ltd., 35 Wood Street, E.C.2

PRECIPITATED CHALK

LIGHTEST—MEDIUM—DENSE.
And All Other Grades To Suit Every Purpose.
Prepared Chalk B.P. and Powdered Talc.

'Phone: Mansion House 7300. Tel. Add.: "Levermore, Phone, London."
A. LEVERMORE & CO. LTD.
110 CANNON STREET, LONDON, E.C.4.
ABC Codes. 6th Edition.

'Ceraton'

IN BULK OR READY PACKED IN 1½ OZ. & 8 OZ. POTS

A DELIGHTFUL TOILET CREAM UNDER YOUR OWN NAME

"Ceraton" is a new "all-purposes" non-greasy, antiseptic toilet cream made from an entirely new base. It is supplied either in bulk (Perfumed or unperfumed) for re-packing, or in dainty glass jars, 1½ oz. or 8 oz., under "Ceraton" label or blank for chemist's own name. Prices and sample jar free on request.
TRAGASOL PRODUCTS Ltd., HOOTON, WIRRAL, Cheshire

GUMS TRAGACANTH AND ARABIC
As Imported or Finely Powdered
ALL GRADES
FREDK. FINK & CO., 10 & 11 Mincing Lane, London, E.C.3
Telephone: Mansion House 5094

INCREASE YOUR DEVELOPING AND PRINTING SERVICE!
MAKE USE OF OUR REALLY USEFUL SERIES OF D. & P. BOOKS. ALSO OUR PRINTED AIDS TO SELLING
INTERESTING RANGE OF SAMPLES POST FREE
BURALL BROS., WISBECH, Cambs.

Eau de Cologne . . . Lavender Water
ALL TOILET PREPARATIONS
Low, Son & Haydon, Limited
5 GT. QUEEN ST., LONDON, W.C.2 COURT PERFUMERS
TELEPHONE: HOLBORN 4007 EST. 1790

SHADEINE
FOR TINTING GREY HAIR
This popular article is largely advertised and stocked by all Wholesale Houses.

Trial size 5d., per doz.	6/-
1/4 size, per doz.	12/-
2/6 size, per doz.	24/-
3/9 size, per doz.	36/-

The SHADEINE Co., 58, Westbourne Grove, London, W.2

PHOSPHATE OF SODA, Pure
For Food Purposes
ASK FOR SAMPLE AND PRICES
PERRY & HOPE, LTD.
Forth and Clyde Chemical Works, NITSHILL
Telephone: Giffnock 414 (2 lines). Telegrams: "Perryope Nitshill."

WE CAN HELP YOU
in furnishing you with Surgical and other sundries to give a high average profit!
Enquiries will receive our prompt expert attention
REYNOLDS & BRANSON Ltd., 13 Briggate, LEEDS 1
Telegrams: REYNOLDS Leeds *Telephone:* Leeds 20046

THOMAS & LINTON, LTD.,
57 Ormond Yard, Great Ormond Street, London, W.C.1
Telephone: Holborn 5518
Everhot Bags, Canda Products, Iodine Lockets, Ephedrol, Litesome Belts
Deliveries from London Stock

COMPRESSED TABLETS
COATED or UNCOATED
Standard or Private Formulæ
Wholesale Buyers write
T. H. WALTON & Co. Ltd.
BATLEY

R. M. SCOTT'S
PATENT MALT
CHARCOAL BISCUITS
MADE WITH STONE GROUND WHEATMEAL AND PURE VEGETABLE CHARCOAL
SAMPLES SENT ON REQUEST FROM MAKERS
R. M. SCOTT (IPSWICH) LTD., TURRET LANE, IPSWICH

From the usual Wholesalers or direct—
HOBSON, TRIMBLE & CO. LTD.
11 Union St., LEEDS.

STOCK **CHLOROZONE**
THE INTERNATIONAL INTERNAL DISINFECTANT FOR ALL LIVE STOCK
"FROM ALL CHEMISTS" IS THE CHLOROZONE SLOGAN, AND IS ADVERTISED IN THE LEADING POULTRY & FARMERS' JOURNALS
From your Wholesaler or direct
PUTNAMS DEPENDABLE SERVICE, Northam, Devon

FREE and POST FREE
NEW CO-RE-GA CARD
Display it and increase your sales
THOS. CHRISTY & Co., Ltd., Old Swan Lane, London, E.C.4

Drayton Mill

LINES WHICH SELL

Supplied BANDED, or, if required, WRAPPED IN CELLOPHANE or in CARTONS.

750 Pieces, 12 oz. Rolls.
THIN, SOFT as VELVET and SOLUBLE.
NO INJURIOUS PRINT on PAPER.

THE MOST POWERFUL DEODORISING TOILET PAPER MADE

Treated with "LYSOL" under a pressure of 40 lbs. per square inch, which ensures a perfect non-irritating antiseptic paper.

ENGLISH MANUFACTURE

DRAYTON PAPER WORKS LTD
SOUTH PARK, FULHAM, LONDON S·W·6
TELEPHONE: FULHAM 5541 (8 LINES) DAY & NIGHT SERVICE

"BONO"
PURE MANILLA PAPER, THIN, SOFT and ECONOMICAL
COMPLETELY WRAPPED in CELLOPHANE
About 900 pieces
12 oz. Rolls.

"852"
PURE SULPHITE PAPER, THIN
About 750 pieces
Passed by THE INSTITUTE OF HYGIENE
COMPLETELY WPAPPED in TRANSPARENT
12 oz. Rolls.

"SILKO"
PURE, SOFT, SILKY PAPER
About 750 pieces
12 oz. Rolls.

"MEDICRAPE"
GRADE "A" CREPE,
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The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is Inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

MAY 11, 1935

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—WEST NORWOOD.—Middle-class Business returning about per week under management; scope for increase; gross profit er cent. to 40 per cent.; modern lock-up shop; rent £75; stock ixtures worth about £475; price £350.

—LONDON, S.E.—General Retail Business with Post Office; I. recently started; annual net profit about £450; good house; o include shop and house £75 per annum; price £1,250.

—SURREY.—General Retail Business with increasing turnover, year being £1,500, including £2 to £3 weekly from Optical; rent flat over sublet at £65; stock and fixtures worth £850; price o; very nice district.

—CARSHALTON.—Cash Retail Business; returns 1934, £840; ms, bathroom, kitchenette and garden; premises may be purchased se will be granted at £100 per annum; price £300.

—SUSSEX.—Old-established Seaside Business for sale; Vendor ng; returns 1934, £1,576; scope for increase; attractive shop about inute from the sea; long lease; price £1,250.

12.—WEST OF ENGLAND.—Middle and Good-class Country Retail Business producing net profit of over £500 per annum; rent to include double-fronted shop and six-roomed house £56 per annum; 11 years' lease unexpired; stock and fixtures worth £960; price by negotiation; scope for Optics.

13.—KENT.—Middle and Working-class Business in main road; returns 1934, £1,425 with gross profit one-third; five-roomed house in perfect state of repair; rent £90; new 21 years' lease; price £750.

14.—MIDLANDS.—Old-established Good-class Business in picturesque surroundings; returns exceed £1,500, neglected on account of Vendor's ill-health; good house; rent £100 or property may be purchased; terms £200 for goodwill plus stock and fixtures at valuation; Vendor retiring.

15.—GLAMORGAN.—Good-class Family Retail Business with rapidly increasing turnover, last year being £2,056 with net profit £495; five-roomed house with bathroom; garden and conservatory; rent £100; renewable lease; price £1,300 or valuation terms entertained.

16.—TUNBRIDGE WELLS (near).—General Retail Business; unopposed; returns about £1,000; net profit £250; rent £50; four-roomed bungalow available at £1 per week; bathroom; garden; price £550.

17.—LEICESTERSHIRE.—High-class Dispensing Business; established 1803; handsome shop in centre of town; stock and fixtures worth £1,900; returns have fallen under management and to March, 1934, were £2,597; lease has 19½ years to run; rent £250; terms value of stock and fixtures and £250 for goodwill.

18.—NORTHANTS.—Good Medium-class Business, mostly cash; returns to March, 1935, £1,700; increasing; accountant's figures; double-fronted shop in main shopping street; stock and fixtures worth £1,050; rent £75; held on lease; price £200 plus stock and fixtures at valuation.

19.—BECKENHAM (near).—Old-established Business offering scope for considerable increase if conducted on modern lines; nice shop, occupying corner position in main road; present returns about £800 per annum; no N.H.I.; stock and fixtures worth about £700; six-roomed house with bathroom and scullery; rent £65, rising to £100; terms, value of stock and fittings and small premium.

20.—SOUTH DEVON.—Light Retail Business with N.H.I. 150 scripts per month; returns under management £16 weekly; double-fronted shop in very nice residential suburb; eight-roomed dwelling-house available; no near opposition; price £500.

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(C2) CARDIFF (NEAR).—Progressive up-to-date pharmacy with modern house, including bathroom, garden, and garage; present returns upwards of £2,000 per annum; net profit about £500; very reasonable overheads; good lease; price about £1,300 all-at.

(C3) FINCHLEY (NEAR).—Owing to contemplated retirement an established main road pharmacy with spacious house above, is available for purchase at a reasonable figure. Present returns approximately £1,750 per annum, with abundant scope for substantial increase; good stock and excellent fixtures; splendid opportunity for chemist with enterprise.

(C4) LIVERPOOL.—City business, with good scope for extensive development, consequent upon recent improvements; present returns approximately £2,000 per annum; low rental; excellent opportunity for chemist desirous of acquiring a business where personality is an important factor; less than £1,000 will purchase; full details upon application.

(C5) EARLS COURT.—Good-class modern pharmacy (lock-up) for immediate disposal at "bargain" figure; exceptional opportunity for enterprising chemist to acquire and rebuild; turnover for last financial year approximately £1,800; net profit about £450; flat above, which could probably be separately rented, if desired; stock and fixtures worth £600–£700; first reasonable offer accepted.

(C6) CORNWALL.—Good middle-class business with small optical connection; increasing turnover; receipts for last financial year £2,356; net profit about £500; reasonable rental; flat above at present sub-let; price £1,650, or near offer, including stock and fixtures, estimated at £1,150

(C7) LANCS (SEASIDE RESORT).—Beautifully-fitted pharmacy occupying leadiug position; turnover approximately £2,000 per annum; net profit about £400; good scope for further increase; price £1,000, including stock £500 (at valuation).

(C8) BALHAM (NEAR).—Good profit-earning business, situated on busy main road; excellent scope for substantial increase, as the surrounding district is rapidly developing; present returns approximately £1,700 per aunum; net rental £55 per annum only, including the portion of the premises occupied by the proprietor for residence purposes; good reasons for disposing; £300 is asked for goodwill, plus the value of stock and fixtures.

(C9) ACTON.—Semi-main road medium class business, for some time past under management; good scope for developing a substantial family connection under personal proprietorship; two years ago the business was showing a net profit in the region of £400 per annum, since when it has not had the advantage of personal attention; value of stock and fixtures, plus a nominal goodwill, accepted for quick sale.

(C10) LONDON, E.—Opportunity for chemist with limited capital to acquire attractive well-situated pharmacy for a very low figure; excellent potentialities with personal attention, which has been lacking up to the present; reasonable overheads; full details upon application.

(C11) SUSSEX COAST.—Old-established family business with self-contained house, including three bedrooms, bathroom, etc.; increasing turnover, the returns for the last financial year being upwards of £1,400; net profit about £360; steady all-the-year-round trade; genuine reasons for disposal; reasonable purchase price.

(C12) SURREY.—Good family middle-class business situated on main road of populous residential area; no near opposition; present returns upwards of £1,450 per annum, and steadily increasing; living accommodation, including bathroom and garden; reut £98; reasonable purchase price, which includes good saleable stock.

(C13) KENT COAST.—Pharmacy, with living accommodation, for disposal owing to genuine ill-health; turnover for 1934–35, £1,040; net profit £310; good scope for further increase; for a quick sale £125 will be accepted for goodwill, plus the value of stock and fixtures; trial can be arranged if desired.

(C14) COVENTRY.—Progressive modern pharmacy with good living accommodation; turnover for last financial year, £1,172; good scope for increase; rent and rates £106 per annum; price £600, including stock £300.

(C15) PENGE (NEAR).—Attractive modern pharmacy with spacious window frontage, situated in busy shopping street; good scope for development; increasing turnover, the returns for last financial year being upwards of £1,250; reasonable overheads; living accommodation; price £750, or near offer.

(C16) DERBY.—Middle-class business showing returns of approximately £1,350 per annum; gross profit about 35 per cent.; low rental; no near opposition; reasonable purchase price, part of which might remain, if necessary, under approved circumstances.

(C17) ROMFORD (NEAR).—Genuine middle-class business for disposal owing to retirement, at very reasonable figure; turnover for last financial year upwards of £1,800; vendor owns property, and will grant a long lease at a very moderate rental; living accommodation; definite scope for further substantial increase; £200 only is asked for goodwill, plus the value of stock and fixtures.

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2.—SURREY.—Good Family Retail and Dispensing, with branch; turnover £2,300; net profit exceeds £550; good living accommodation; own property; retiring; price £1,800.

3.—SOUTHERN COUNTY.—Good Light Country Retail; pleasautly situated near the coast; net profit £500, scope for increase; very best position; large house, garden and garage; heavily stocked; price £1,600.

4.—KENT (14 miles out).—Unopposed Village Business; pleasantly situated; returns £1,150, net profit £290; stock and fixtures worth approximately £600; price £750.

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6.—BEDS.—Good Medium-class Business; in small market town; present returns £18 weekly, increasing; growing district; house attached; stock worth £250; price £375 or near offer.

7.—NORTH LONDON.—Sound Middle-class Business, with excellent Panel; returns last year £1,480; neglected, was doing £1,850; owner retiring; well-equipped pharmacy; good position; stock worth £600; price £1,250 or offer; personally recommended.

8.—LONDON, N.W.1.—Light. Cash Retail with N.H.I., in thickly populated district; returns average £1,100 under manager; low rent; smart shop, modern fittings; price £500 or £250 plus stock at valuation.

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PATENTS.

THE Proprietors of British Patent No. 383,112, entitled "Process for the Production of Aluminium Derivatives of Acetylsalicylic Acid," are desirous of entering into arrangement, by way of licence or otherwise, on reasonable terms, for the purpose of exploiting the same and ensuring its full development and practical working in this country. All communications to be addressed to Gill Jennings & Every-Clayton, 51/52 Chancery Lane, London, W.C.2.

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EAST YORKSHIRE.—Young Qualified Assistant wanted May 20 permanent; good Counterman, able to take charge at times Window-dressing and D. & P. experience. Full particulars of previous experience, age, references. Apply 132/10, Office of this Paper.

HARROGATE.—Qualified Lady wanted to Manage small branch. Apply, stating age, experience and salary required, to 132/34, Office of this Paper. Applications not answered within 7 days declined with thanks.

HULL.—Qualified Assistant wanted in June; Male or Female; state full particulars of age, height, experience, salary and references in first letter. 131/1, Office of this Paper.

LONDON, N.—Wanted, at once, Young Qualified Assistant; must have knowledge of Photography; used to quick Counter trade; full particulars and salary required. 133/21, Office of this Paper.

LONDON, S.E.—Wanted, Qualified, either sex; light Retail and Dispensing; N.H.I. Apply 133/13, Office of this Paper.

LONDON, W.—Qualified Junior Assistant, male, required at once for Dispensing Counter of high-class business; good prospects. Full particulars, age, height, experience and salary expected, 260/413, Office of this Paper.

MANCHESTER.—Vacancy for Qualified Dispenser (minor); suit lady or gent. requiring light position or easy hours. Full particulars and salary to "Jacobus," 133/15, Office of this Paper.

N. LONDON.—A Qualified Young Man required (under 30) for branch shop; able to manage single-handed if necessary; must be good Dispenser, smart Counterman and Window-dresser. Write, giving full particulars, age, experience, salary required and references, 133/17, Office of this Paper. Applicants not replied to in 10 days declined with thanks.

NEAR MANCHESTER.—A Junior Qualified Lady Pharmacist required at the end of May. Apply 260/409, Office of this Paper.

NORTH STAFFS.—Young Qualified Lady Assistant required for May 20, 1935, or before; small middle-class business; light and comfortable position; permanent. State age, height, experience and photograph; enclose stamped addressed envelope. J. Colclough (Chemist Ltd.), Porthill Stoke-on-Trent.

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CHEMIST-OPTICIAN, J.C.Q.O., wanted as Assistant, with early and definite prospect of succession to Branch Managership; large Midland Co-operative Society; salary £5 and substantial commission. Replies at once to 130/7, Office of this Paper.

COMFORTABLE Berth offered to Qualified, single; must be well up in all branches, able to take charge. Replies unanswered in 7 days respectfully declined. 132/35, Office of this Paper.

COMPETENT Young Lady Assistant, Unqualified; good Window-dresser; experience Toilets and Photographic; no Dispensing. Experience, references, age, Photo (stamped envelope for return) to Bathes, Ltd., 24 Fleet Street, Torquay.

DISPENSER (Female) required for a London Voluntary Hospital; commencing June 3rd; Clerical experience and Statistical (registration) knowledge an advantage; salary £150 p.a., with lunch and tea when on duty; superannuation scheme in operation. Applications, stating age, qualifications, details of experience, and full particulars, to be sent by Wednesday, May 22nd, to 260/412, Office of this Paper.

IMPROVER (male), indoors, for good-class Dispensing Family business; one leaving apprenticeship preferred; knowledge of Window-dressing and Photographic sales. Apply, with full particulars and photo, to Exors., T. Evans, 114 Upper Richmond Road, Putney, S.W.15.

JUNIOR Assistant, Unqualified, required at once; just out of Apprenticeship preferred. Apply by letter, giving fullest particulars of experience, age, height, references, wage required and when free, to General Manager, Woodlands Chemists, Ltd., 34 Ludgate Hill, E.C.4.

LADY M.P.S., Liverpool district. Give full particulars and salary required. Apply 260/410, Office of this Paper.

LOCUM, M.P.S., required for two weeks during August or early September. Send full particulars to James H. Wilson, Ltd., The Broadway, Crouch End, N.8.

LOCUM, Qualified, for 4 weeks commencing June 10th, in brisk Mixed Agricultural Business; staff of 3. Apply, giving particulars of age, salary (outdoors), etc., to G. M. Perkins, Chemist, Knighton, Radnorshire.

LADY, Qualified, young, as Assistant in good-class Family and Dispensing business in London, S.E.; comfortable permanency. State age, experience and salary required to 132/13, Office of this Paper.

MALE Assistant required for Drug Department in High-class Departmental Store; no Dispensing; Photographic experience (not D. & P.) essential. Burgis & Colbourne, Ltd., Leamington Spa.

OLD-ESTABLISHED High-class Dispensing business in Midlands has vacancy for an Assistant with all-round good experience, undeniable references, of gentlemanly appearance, good Counterman and energetic; only those requiring permanency need apply to 133/10, Office of this Paper, with full particulars and enclosing photo if possible.

QUALIFIED and Unqualified Assistant (age under 30) for London, W.; knowledge of foreign languages and West-End experience an advantage. 260/411, Office of this Paper.

QUALIFIED Assistant, accustomed to middle-class trade, N.H.I., Dispensing and Photography. Give full particulars of experience, names of references, when disengaged, age and salary required. 132/14, Office of this Paper.

QUALIFIED Assistant; capable of taking charge of branch (near to London); send age, experience and salary required; letters not answered in 3 days' time respectfully declined. 132/46, Office of this Paper.

QUALIFIED Lady Assistant required for a good-class Retail business in the North of England. Apply, stating experience, age, salary required and enclosing references and photograph, 132/54, Office of this Paper.

QUALIFIED Lady Dispenser as Locum; June 17-29 and August 19-31; salary £4 per week. Write, stating usual particulars, Beck, 60 High Street, Stoke Newington, N.16.

QUALIFIED Lady to manage Pharmaceutical side well-established Perfumers, East Coast; state salary. 131/49, Office of this Paper.

QUALIFIED Locum required for season with possibility of permanency. Send full particulars, age, experience, salary required, etc., to 132/28, Office of this Paper.

QUALIFIED Manager (age over 30) required for Retail Pharmacy in main street of busy South Coast town; commencing salary £5 per week; must be capable of taking entire management; two Unqualified Assistants kept. Apply, giving full particulars of experience and recent references, to 260/418, Office of this Paper.

QUALIFIED Manager required (about 40, married) to live over shop; good position for right man. Write first, giving full particulars, to S. R. Simnett, 128 High Street, Beckenham, Kent.

QUALIFIED Manager required for East London; must be energetic and experienced; knowledge of wines an advantage; living accommodation; good opening to right man. Apply, stating salary required, to 260/415, Office of this Paper.

QUALIFIED Relief Manager (between 30 and 40 preferred) wanted for four months. Apply Head Office, Wm. Fox & Sons, Ltd., 109, 111, 113 Bethnal Green Road, London, E.2 (10 minutes from Liverpool Street).

QUALIFIED, to Manage branch, London, E.; permanency. Please send full particulars as to capabilities, etc.; state salary expected and enclose copies of references, to 133/19, Office of this Paper.

QUALIFIED, wanted for one month commencing June 3; free board and sleeping accommodation; short hours, light duties, moderate salary. Full particulars in first letter, "Leicestershire," 132/55, Office of this Paper.

REQUIRED Immediately, Qualified Chemist to act as Superintendent; would suit elderly lady or gentleman; very easy hours. State salary and particulars in first letter. "Chemist," 217 High Street, Watford.

SMART Junior, either sex, wanted quickly; must be used to good-class business; interview. Bennett & Morris, Ltd., opposite Station, West Wickham, Kent.

TAYLORS BRITISH CHEMISTS have several vacancies for Qualified Managers in London and Provinces; good prospects for capable energetic men between 25 and 40; also vacancies on relief staff. Apply by letter to Staff Manager, 55-6 Pall Mall, London, S.W.1.

TWO ASSISTANTS.—One Junior or Improver (permanency), and one Unqualified Assistant for relief work for three months; good Window-dressers, Salesmen and Dispensers. Apply, stating salary, height, references and experience, with photo, Reeson, 80 High Street, Erith, Kent.

UNQUALIFIED Assistant, male (about 22 years), required for season until end of September; one entering College in October preferred. Apply, giving full particulars and when at liberty, to H. J. Hewlett, John Baily & Co., 2 Ethelbert Terrace, Cliftonville, Margate.

UNQUALIFIED Assistant required; must be accurate and reliable; good Window-dresser and Dispenser essential; full particulars of experience, height, age, salary and date when available; for Hull. 131/100, Office of this Paper.

UNQUALIFIED Assistant required; must be smart in appearance, good Counterman and Window-dresser; knowledge of Photography; references must bear investigation. State salary required and enclose photograph and recent references. W. H. Green (Chemists), Ltd., 28 Earl Street, Coventry.

UNQUALIFIED Male Junior Assistant required for good-class Family and Dispensing business; live in. Apply 132/18, Office of this Paper.

UNQUALIFIED.—Wanted for London, an efficient Junior Assistant, familiar with N.H.I. Dispensing and Photographic; good at Counter and Stock-keeping. State age, height, references and salary required, 133/22, Office of this Paper.

WANTED.—Fully Qualified Locum for the period June 3 to 15, 1935. Reply, stating age, wages required and testimonials, Secretary, Scunthorpe Co-operative Society, Ltd., High Street, Scunthorpe, endorsed "Locum." Applications to be in by first post Friday, May 24, 1935.

WANTED.—Improver or Junior for mixed country town business. Full particulars of experience and salary required, to Howarth, Chemist, Stevenage.

WANTED.—Qualified Assistant, able to take occasional charge of branch shop; progressive position. Apply J. Lancaster & Son, 100 Skinner Lane, Leeds, and Branches.

WANTED.—Qualified Assistant; good Salesman, Window-dresser; smart appearance, capable and obliging; not afraid of work. Write only, stating age, salary, experience, and when able to commence, to "K.," 77 High Street, London, N.W.1.

WANTED.—Qualified Superintendent, lady or gentleman; part time; congenial post; London, S.W. State lowest salary in first letter. 132/1, Office of this Paper.

YOUNG Lady, Junior or Improver, at once, for Stock, General Shop Duties and assist at counter; full particulars of age, experience and salary required, or personal application preferred. C. Bradbury, Ltd., 86 Moyser Road, Streatham, S.W.16.

YOUNG Lady required to manage new modern Chemist's; Qualified, good Window-dresser; permanency if suitable; some Buying experience; Manager with same qualifications entertained. Age, salary and photograph in first instance, Murray, 29 Penfold Road, Clacton-on-Sea.

YOUNG Man, Qualified, wanted for locum duties, June 11th to July 6th, inclusive. Comyns, 7 High Street, Carshalton. 'Phone: Wallington 3067.

YOUNG Qualified Assistant, Lady or Gent., required at once for Retail and Dispensing Business in Catford, S.E.6. Full particulars, including age, height and salary, "L. B.," c/o 28 Sheridan Road, Merton Park, S.W.19.

YOUNG Qualified Branch Manager wanted at once. Apply Linthorn, 1351 Stratford Road, Hall Green, Birmingham.

YOUNG Qualified Lady or Gentleman required for High-class Light Retail Business in nice suburb in N. London. Applicants please state age, salary (which should be moderate), when disengaged to 131/33, Office of this Paper.

YOUNG Unqualified Male Assistant wanted; also Improver for Brixton branch; must be resident in London and possess recent references; to an honest, steady worker every encouragement will be given. Write Pomeroy, 76 Brick Lane, E.1.

PHOTOGRAPHS, TESTIMONIALS, &c.

When answering advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. As can be readily understood, when an advertiser receives from 100 to 150 replies the task of returning photographs, testimonials, &c., is one of some difficulty.

WHOLESALE.

A REPRESENTATIVE, with sound connection among Chemists in Yorkshire, to carry as a sideline established Specialities on a good commission basis. Full particulars first instance in confidence, 132/47, Office of this Paper.

AVA, LTD., 9 Park Hill, Clapham, S.W.4, invite applications for Representation in South-Western Counties and South Wales; applicants must possess proved selling ability and have sound connection with Chemists, etc.; salary, commission and expenses paid.

CHEMISTS' Representatives, for N. and S. London and adjoining counties, also N.E. Counties, for Nationally-advertised Line; must have live connection; part expenses and commission; full particulars with application, in confidence. 260/408, Office of this Paper.

ESTABLISHED London firm of repute requires to get in touch with reliable Representatives who can carry an additional range on good commission terms; first-class products at attractive prices, having universal appeal to Chemists; fidelity required. 132/36, Office of this Paper.

EXPERIENCED Invoice Clerk for Wholesale House; knowledge of Patents and Proprietary lines essential. Please write, stating full particulars and salary required, to "Advertiser," c/o A. E. Strong, 87 Moorgate, E.C.2.

JUNIOR Typist required; one accustomed to Filing and Telephone. P.C.B. 162/29, Office of this Paper.

LADY Surgical Fitter required; young; good all-round knowledge; London; state experience, age and salary required; permanency. P.C.B. 163/8, Office of this Paper.

REPRESENTATIVE required to cover Midlands and Eastern Counties; experience in leading High-class Perfumery and Cosmetics; live connection and good sales record essential qualifications; salary, expenses and commission. Full details Box 845, c/o C. Mitchell & Co., 1 Snow Hill, E.C.1.

THE DUBARRY PERFUMERY CO., LTD., have a Vacancy for a thoroughly capable, smart London Representative; must have strong, live connection and good sales record with Chemists, Ladies' Hairdressers, Stores and Wholesale Houses; only first-class experienced men with established connections entertained.

Car provided; salary, commission and expenses. State age and full details of experience, in confidence, enclosing photograph, which will be returned, to Goldstone Laboratories, Hove.

TRAVELLER having established connection with Chemists in all areas required to carry heavily advertised Shampoo with unusual merits; state terms. Box 438, Greenly's, 5 Chancery Lane, W.C.2.

COLONIAL, INDIAN AND FOREIGN.

REPRESENTATIVE FOR ABROAD.—A leading Pharmaceutical and Food House requiring a Medical Representative for the East will consider applications from male, single, Qualified Pharmacists; age to be not more than 26; previous representative experience not necessary. The position is progressive and remuneration adequate. Candidates, who must be of sound character, healthy, self-reliant and industrious, should forward details of their education and business career, with full personal information, to 260/414, Office of this Paper.

SITUATIONS WANTED.

RETAIL (HOME).

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A.A.—LOCUM or permanent; all branches; prize Photographics; manage or assist; unregistered; tall; "good English." "Mac.," Wotton-under-Edge, Glos.

A.A.—PERMANENT, locum; tall, middle age, energetic; London experience; reliable; disengaged; reasonable terms. "M.P.S.," 210A The Grove, Hammersmith, W.6.

A CAPABLE Unqualified Assistant (26); quick, accurate Dispenser; good appearance and address; experience town, country, seaside; Optics, own equipment; Typewriter; locum or permanency. "Statim," 197 Stornoway Road, Southend-on-Sea.

AN Experienced Qualified (26) requires post with a view to succession or partnership; capital available; Liverpool or North Wales preferred, but not essential; at present engaged. 132/37, Office of this Paper.

ASSISTANT, Lady, Unqualified, requires post; over 12 years' all-round experience; conscientious and reliable. "M. H.," Room 62, "Lewis House," New Kent Road, S.E.

ASSISTANT, Unqualified, desires position; best all-round West End experience. "M.," 25 St. Stephen's Road, Bayswater, W.2.

ASSISTANT (39), Male, Unqualified; thoroughly conversant with all departments of the business; well recommended. "Salesman," 21 Disraeli Road, Putney, S.W.15.

ASSISTANT (25), Qualified, requires position in good-class Dispensing Business; thoroughly experienced all branches; excellent references; disengaged June 1st. 132/43, Office of this Paper.

ASSISTANT (26), Unqualified; good all-round experience; accurate Dispenser; Window-dressing; London. "C.," 44 Turneville Road, W.14.

BIRMINGHAM or Midlands preferred, but not essential; thoroughly experienced; well recommended; locum work undertaken. Hanley, c/o 180 Lozells Road, Birmingham.

CAPABLE M.P.S; single; locum or permanency; all-round London experience; competent, reliable; excellent references. "Chemist," 32 Myddelton Square, E.C.1.

EVENING DISPENSING.—Free all evenings; Chemist or Doctor; London district; age 29; Qualified, with Hospital experience; now disengaged. 132/38, Office of this Paper.

EXPERIENCED Locum or Manager; £5. Harris, 119 Southbury Road, Enfield.

F.S.M.C., M.P.S. (25), experienced, requires responsible position. 131/13, Office of this Paper.

HENRY C. MEYRICK, M.P.S.(Gt. Brit.), Ph.C.(Ire.); experienced locum (England, Ireland, Wales and French Riviera); several re-engagements; now booking dates; moderate terms. 75 Claverton Street, Westminster, S.W.1.

JUNIOR OR IMPROVER.—I can recommend my late Apprentice to anyone requiring a conscientious, active Young Lady; Bournemouth preferred, but not essential. C. D. Cumber, Chemist, Bournemouth. Reply Miss Hooper, 54 Evelyn Road, Bournemouth.

LONDON.—Capable Qualified Manager; accurate Dispenser, Salesman and Window-dressing; excellent references. 133/14, Office of this Paper.

LADY Dispenser-Bookkeeper, Hall, experienced with Doctor and Chemist, requires post; any district. "Statim," 16 Laburnum Road, Doncaster.

LADY Dispenser, Hall qualification, desires permanent situation or locum; Institution or Doctor; Hospital training; matriculation; good references. Apply Miss M. E. Straw, 223 Highcliffe Road, Sheffield, 11.

LADY Dispenser (Widow), Hall examination, desires post with Chemist or Doctor; would accept small wage to gain experience. "Advertiser," 186 Peveril Road, Chesterfield.

LADY M.P.S. requires post or locum; free now; good general experience; would manage. "Pharmacist," 5 Randolph Gardens, N.W.6.

LOCUM; experienced Manager; now booking dates; any district. B. S. Jones, 34 The Oval, Stafford.

LOCUM, Qualified; Leeds, Bradford districts; Reg. N.P.U. F. B. di Menna, 44 Fagley Road, Bradford. Phone: Bradford 7678.

LOCUM (25), Qualified, requires engagements May and June, London. R. Spence, 18 Longley Road. Phone: Streatham 760.

NAMES AND ADDRESSES.

When sending advertisements for any of the sections in this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not followed and delay and disappointment ensue. Strict attention to this detail will be appreciated.

MRS. JOHNSON (ex-private business) open to manage Drug Stores or Relief Work; Unqualified; young; quick Counter; N.H.I. Dispensing; salary £2 12s. per week; highest references. 4 North Pathway, Harborne, Birmingham.

MURRAY McCONACHIE, LTD., recommend their late Apprentice, Mr. G. F. Huntley, for position as Assistant during summer months; South Coast. Murray McConachie, Ltd., Winchester.

PHARMACEUTICAL Chemist, experienced Manager, requires progressive position; good-class Photographic, Toilet and Dispensing. "F. C. H.," 34 Manor Road, Beckenham.

QUALIFIED Lady requires post in busy Dispensing business; London or South; please state salary. 132/15, Office of this Paper.

QUALIFIED Locum; free June 2nd-15th, July 28th-August 10th, August 25th-September 7th. Jones, 331 Fulbourne Road, Walthamstow, E.17.

QUALIFIED; locum or permanent; disengaged; middle age. 133/18. Office of this Paper.

QUALIFIED Locum (39); London experience; moderate fees; open for engagements; please state dates and terms. 5 Abergwm Road, Cardiff.

QUALIFIED (Scot, 28, married), experienced Manager, London and Provinces, desires post in Scotland; excellent references; free one month. 131/25, Office of this Paper.

QUALIFIED Scot (26), tall, 9 years' experience (London and country) Dispensing, Photography, Window-dressing, as Qualified Assistant or Manager. "Chemist," 16 Linden Road, Bedford.

QUALIFIED 12 years (age 37), height 5 ft. 6 in., present managership 8 years, soundly experienced, reliable, active and businesslike, seeks improvement and change of locality; sound permanency, London or South. W., 230 High Road, Leyton, E.10.

UNQUALIFIED (39); college trained; completed 7 years London; 20 years' experience Dispensing, Counter, Prescribing, Window-dressing, Buying, Photography; active worker; berth London immediately. Williams, 4 Bermondsey Square, S.E.1.

UNQUALIFIED (21) desires seasonal situation, anywhere; experienced Dispenser; Part I; recognised Optical qualification. Wilkins, 108 Scholes Lane, Prestwich, Manchester.

UNQUALIFIED (22), 6 years' North-East and London experience, desires change; Doctor, Pharmacy, Wholesale, Drug Store; locum considered. "Ammon. Carb.," 10 Harringay Gardens, Harringay, N.8.

YOUNG Lady (Part I) seeks post; Hospital and Shop experience; South preferred. Gollop, 49 Gurney Road, Southampton.

YOUNG Man (23), Unqualified; tall; 8 years' London experience; good Salesman and Window-dresser; start immediately; anywhere, London preferred; capable of taking charge. "Pooles," Drug Stores, Winnersh, Berks.

WHOLESALE.

A THOROUGHLY well-known, experienced Representative, whole of London, open to consider really well-known reputable House, Wholesale and Retail Chemists and allied trades; own car; exceptional credentials. 132/3, Office of this Paper.

ADVERTISER, just completed 10 years with prominent London House, desires re-engagement; excellent connection Chemists and Allied Trades; London, Home Counties and Eastern Counties; would work any part or all of mentioned territory. W. J. Walker, 39 Chalsey Road, Brockley, S.E.4.

COMPANY Director, with considerable experience in the launching and development of Medicinal and Toilet Proprietaries; several established successes; open to consider Administrative position with reputable company where his experience can be given adequate scope. P.C.B. 163/7, Office of this Paper.

COSMETICS, Perfumery; Chemist, expert in all branches, seeks berth; keen Buyer; control staff; introduce new products and ideas; excellent references; at present disengaged. "Cosmo," P.C.B. 162/25, Office of this Paper.

DRUG GRINDING.—Advertiser, with good all-round experience, seeks berth; conversant with all types machinery; control of department. "Pulvi," P.C.B. 162/26, Office of this Paper.

ESSENCE Compounder, with thorough knowledge of all flavours used in the Confectionery, Mineral Water and Tobacco Trades; also a knowledge of Pharmacy. "Statim," 37 Hassocks Road, S.W.16.

REPRESENTATIVE, covering South London, requires additional definitely established line; part expenses and commission; good connection Chemists, etc. 133/20, Office of this Paper

COUNCIL ELECTION, 1935

Have you Voted yet?

FOR

James Clements Young

THE RETAIL CANDIDATE

THE LAST NAME on the BALLOT PAPER

Latest Day for Posting May 14

REPRESENTATIVE, 15 years' selling experience with large house, excellent connection with all the leading Wholesale and Retail Chemists in Scotland and Northern England, highest references, seeks salaried position; would consider First-class Agencies. 133/2, Office of this Paper.

REPRESENTATIVE (38), well-known Drug House, shortly disengaged, desires appointment first-class Drug or Toilet House; South Coast, West England; own car. "N.," "Westwood," Cedar Avenue, Christchurch, Bournemouth.

SALESMAN, Sales Manager; 10 years handling Toilet, Perfumery and Allied Products; now available for new or established proposition; advertiser able to control entire Sales Department; has a personal knowledge of all big towns and a live connection with large buyers in and around London; age 44; own car; exceptional recommendations; contact will mean engagement. 133/16, Office of this Paper.

SCOT (31), 12 years Wholesale Drugs, backed by 6 years' Retail experience, desires change with responsibility; all-round capabilities Wholesale work; sound references. 132/33, Office of this Paper.

SUNDRIES.—Exceptional Controlling experience; fully conversant with the principal source of supply and manufacture. P.C.B. 162/28, Office of this Paper.

UNQUALIFIED Assistant, 8 years Retail, seeks situation in Warehouse or Stores; experienced Patents, Drugs, etc.; free at convenience. "A.," 74 Red Lion Lane, Shooters Hill, Woolwich.

15 YEARS' Experience; Representative desires appointment well-known Chemists, Hairdressers and Stores; London area; salary, commission and expenses. P.C.B. 162/27, Office of this Paper.

FOR SALE.

(Articles to the value of £5-£50.)

NATIONAL Cash Register; in perfect order; totals all cash; prints all sales; real hargain. Write R. Varley, 35 Almond Road, N.17.

OAK Roll Top Cabinet Trial Case; condition as new; cost 20 guineas; reasonable price for quick sale. 131/43, Office of this Paper.

SURPLUS Photomaton Machine; perfect condition; cheap for quick sale. Sidebottom, 50 Central Drive, Blackpool.

CLEAR OUT—your Old or Damaged Stock of Photo Goods. *Why keep them any longer? Turn them into CASH.*

I GIVE BEST PRICES for Old Films (damaged, fogged or expired dates); Packet Papers. Cards (any sizes). Old Photo Goods or Cameras. Bromide Papers. Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.

S. E. HACKETT, 23 July Road, Liverpool

MISCELLANEOUS.

10s. for 60 words or less ; 1s. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

CHEMISTS' FITTINGS.—We hold an immense stock of Drug Fittings, Dispensing Screens, Glass-fronted Counters, Perfumery Cases, Nests of Drawers, Wall Cases, Silent Salesmen, Upright and Flat Counter Cases, Plate Glass Counters, Cash Tills, Display Stands and Glass Shelves, etc., at competitive prices. F. MAUND & E. BERG (SHOWCASES), LTD., Shop Fitters and Shop Front Builders, 175/9 Old Street, London, E.C.1.

CHEMISTS' Shop Fittings in Oak or Mahogany; keenest prices; 8-ft., 10-ft., 12-ft. Drug Fittings; 6-ft., 8-ft. Wall Cases; 8-ft., 6-ft. Dispensing Screens; 6-ft., 8-ft., 10-ft. Serving Counters; 4-ft. Nests Counter Drawers; All-Glass Counters; Silent Salesmen; Bottles; Window Enclosures and Glass Shelves; send for rough sketches. GEORGE COOK, The Working Shopfitter, 27 Macclesfield Street, City Road, E.C.1. 'Phone: Clerk. 5371.

LIMITED COMPANIES REGISTERED.—I have now been engaged in this work over 20 years, so you may rely that my experience in Chemist and other Companies (I take all trades) is hard to beat. Most reasonable and inclusive Fee. Advice free. A. B. SLACK, 721 Princess Road, West Didsbury, Manchester.

SUGGESTIONS required for a Registerable Name for Toilet Sundries; two guineas paid for word accepted. 260/416, Office of this Paper.

10 FT. Drug Fitting; 6 ft. Wall Case; 12 ft. Glass-fronted Counter; nests of Counter Drawers; 6 ft. Dispensing Screen and Counter; Counter Case; Personal Weighing Machine; Chair; all reconditioned and polished. PHILIP JOSEPHS & SONS, LTD., 90/92 St. John Street, Clerkenwell, E.C.1. Telephone: Clerkenwell 2191. "Pharmacy fitters for over a century."

£9—COMPLETE CHEMIST FITTINGS at any price you wish to pay. We have erected in our showrooms a Complete Chemist's Shop with Metal Shop Front, Window Backs, Correct Window Lighting Signs and Modern Interior Fittings. Apply for Lists, D. MATTHEWS & SON, LTD., "The Liverpool Shop Fitters," 14 and 16 Manchester Street, Liverpool. Est. 1848.

EXCHANGE COLUMN.

2d. per word, minimum 2s. (Box No., 1s. extra.)

FOR DISPOSAL.

(Articles up to the value of £5.)

FOR SALE.—Gerster Print Dryer; Film Dryer (electric); Ensign Print Washer; 2 full-size Porcelain Developing Tanks. Also wanted: 2 Pear-shaped Carboys. 132/350, Office of this Paper.

TEN Gallon Tins Marshall's Lysol overhought; unopened; big reduction to clear. What offers? 131/19, Office of this Paper.

WANTED.

CASH Register; in sound condition; "National" preferred. Write P.C.B. 162/21, Office of this Paper.

OPHTHALMOSCOPE.—Keeler, Morton, Turville-Stewart; must be fairly new; details; lowest price. 130/1, Office of this Paper.

REQUIRED immediately, New or Secondhand 10 or 20 Galls. Pan for Manufacturing Vanishing Cream. Particulars to 125/39, Office of this Paper.

Printed in Great Britain for the Proprietors by EYRE AND SPOTTISWOODE LIMITED, His Majesty's Printers, East Harding Street, London, E.C.4, and Published by the Proprietors, MORGAN BROTHERS (Publishers), Limited, at 28 Essex Street, Strand, London, W.C.2.—*May* 11, 1935. [58/26]